



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 20 1991

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

MEMORANDUM

SUBJECT: Environmental Priorities Initiative Accomplishments

FROM: Don R. Clay *DRClay*
Assistant Administrator

TO: David A. Ullrich, Director
Waste Management Division

I want to congratulate you and your RCRA and Superfund staffs for your commitment to complete the original universe of Environmental Priorities Initiative (EPI) sites by the end of FY 92. Your Region has demonstrated how the RCRA and Superfund programs can work together in an effort to identify and address worst sites first.

Once again, I appreciate the efforts and progress you continue to make in EPI, and congratulate you on your accomplishments.



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 13 1991

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

MEMORANDUM

SUBJECT: Final Region V Environmental Priorities Initiative
Implementation Agreement

FROM: Henry L. Longest II, Director *for Jim Fields*
Office of Emergency and Remedial Response

TO: David A. Ullrich, Director
Waste Management Division, Region V

I am pleased to be forwarding to you the final, signed Region V EPI Implementation Agreement. The agreement incorporates review comments from the Region RCRA and Superfund programs as well as from OSW, OWPE, and OERR at Headquarters.

I wish to thank you and your Superfund and RCRA program staff for the high level of cooperation and coordination demonstrated in producing this agreement. This "team spirit" will continue to be essential for the successful implementation of EPI. The EPI program is a fine example of how the RCRA and Superfund programs can work together to contribute to our commitment to address worst sites first. I appreciate the efforts that Region V has made to develop this agreement in a timely manner and to ensure the completion of the EPI universe by the end of FY 1992.

Enclosure

cc: Bruce Diamond
Sylvia Lowrance

EPI IMPLEMENTATION AGREEMENT

REGION V

The Environmental Priorities Initiative (EPI) is an integrated Superfund/RCRA approach to assessing hazardous waste sites that will contribute to the effort to focus Federal resources on the worst sites first. The RCRA and the Superfund programs, in the Regions and in Headquarters, will work together to define and implement the EPI program. The Office of Emergency and Remedial Response (OERR) has responsibility for overall management of the EPI program. Within OERR, the Hazardous Site Evaluation Division will be taking the lead on EPI.

RCRA sites that conform to the parameters of the EPI program will be assessed using Superfund resources, according to a work plan and schedule agreed on by the RCRA and Superfund programs in the Region. The following EPI Implementation Agreement presents the status of EPI in Region V, the remaining sites to be addressed under EPI, the EPI scope of work and deliverables, and the schedule, budget and entities to conduct the remaining work.

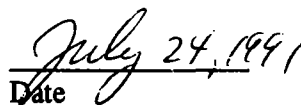
This agreement was developed by consensus in a meeting of EPA Headquarters staff from OERR, OSW and OWPE and Region V RCRA and Superfund staff, and has been reviewed and approved by senior Headquarters and Region V staff.

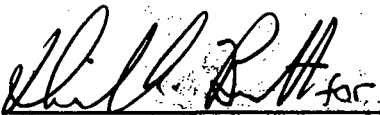
Signed:

U.S. Environmental Protection Agency, Region V

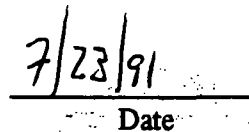


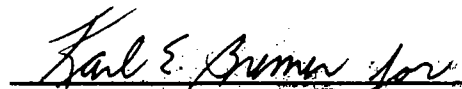
David A. Ullrich, Director
Waste Management Division


Date

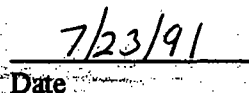


Norman R. Niedergang, Associate Division Director
Office of Superfund


Date



William Muno, Associate Division Director
Office of RCRA


Date

ENVIRONMENTAL PRIORITIES INITIATIVE

RCRA/SUPERFUND IMPLEMENTATION AGREEMENT

REGION V

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1. Introduction

The Environmental Priorities Initiative (EPI) is a program designed to conduct initial assessments of certain RCRA facilities under the Superfund Site Assessment Program and RCRA Permits and Enforcement Programs. The EPI represents an integrated RCRA/CERCLA approach to assessing hazardous waste sites, which will contribute to the effort to focus Federal resources on cleaning up the worst sites first. RCRA and Superfund staff will work together, in both Headquarters and the Regions, to assure that the EPI is implemented efficiently and smoothly. The Office of Emergency and Remedial Response (OERR) has responsibility for overall management of the EPI program.

Those RCRA sites that conform to the parameters of the EPI program will be assessed with Superfund and RCRA resources, utilizing procedures that combine elements of the Superfund preliminary assessment (PA) and site inspection (SI) and the RCRA Facility Assessment (RFA). The EPI site assessment will provide the information necessary to prioritize facilities for RCRA corrective action, as well as under the Superfund Hazard Ranking System.

The work plan and schedule for implementation of EPI in Region V is presented in the following EPI Implementation Agreement. This Agreement was developed by consensus in a meeting of EPA Headquarters staff from OERR, OSW and OWPE and Region V RCRA and Superfund staff (see **Appendix A**). The Agreement sets forth the Region's commitment to EPI. Addendums and amendments to the Agreement may be incorporated in the future to reflect changes to this original commitment, as needed.

2. Background

The Region V RCRA and Superfund programs have been working together to implement EPI since the program's beginning. The two programs decided that RCRA would conduct RFAs at certain EPI facilities, namely, land disposal facilities, incinerators, and permit-seeking treatment and storage facilities (TSFs). The remaining EPI facilities (closed and closing TSFs) would be addressed through Superfund and RCRA Enforcement using a modified PA. Region V RCRA and Superfund staff developed what is known as a PA/VSI (Preliminary Assessment/Visual Site Inspection) to be used as a scope of work for Superfund-lead assessments at EPI sites (closed and closing TSDs). The Region V Superfund and RCRA Enforcement Programs provide funds for PA/VSIs through the Superfund/RCRA TES 9 and 10 contracts. The Office of RCRA in Region V serves as the work assignment manager for these assessments and provides monthly progress reports to the Office of Superfund in Region V. The TSFs were prioritized for assessment by the States, and emphasis is placed on completing PA/VSIs first on the high priority sites in the Great Lakes Basin.

3. EPI Universe

The EPI universe, as originally defined in OSWER Directive 9932.0 (J.W. Porter, 5/31/88), consists of the following RCRA Subtitle C facilities:

- 1) Closed or closing land disposal facilities;
- 2) Active (seeking permit), closing or closed storage and treatment facilities; and
- 3) closed or closing incinerators.

A summary chart of the status of EPI in Region V is presented in **Appendix B**. As mentioned in the previous section, Region V RCRA conducts RFAs on the land disposal facilities, incinerators, and active storage and treatment facilities. The Superfund and RCRA programs provide funds for PA/VSIs on closed and closing storage and treatment facilities.

The Region V Superfund Program funded 95 PA/VSI assessments through 1990 and has provided resources for an additional 214 PA/VSIs in 1991 for a total of 245 PA/VSIs by the end of FY 1991. In addition, the Region V RCRA program provided resources for 75 PA/VSIs, bringing the total of completed PA/VSIs to 320.

Appendix C provides the list of the EPI sites that have or will receive PA/VSIs in 1991. As reference information, **Appendix D** provides a list of the RCRA TSDs already in CERCLIS, including PA/SI data, if applicable.

The Region V RCRA program will have conducted 508 RFAs on EPI sites (active storage and treatment facilities, closed and closing land disposal facilities and incinerators) by the end of FY 1991. A list of these sites is provided as **Appendix E**. Thus, the grand total of EPI sites that have been addressed in Region V, with either RFAs or PA/VSIs, is 828.

At the time of the April 10, 1991 meeting, the list of 659 TSFs remaining to be addressed under EPI by Superfund included converters -- facilities which once had interim status as TSDs, but have changed their status to generators only. (This list did not include permit seekers.) Since converters are not part of the original universe, OSW worked with Region V to remove these sites (totaling 418) from the list. The resulting total number of TSFs remaining to be addressed in FY 1992 by Superfund is 241, as listed in **Appendix F**. RCRA will also address 86 permit seeking TSFs in FY 1992 with RFAs. These 86 sites are listed in **Appendix G**. These efforts will complete the assessment of the EPI universe in Region V by the end of FY 1992.

Region V Superfund and RCRA staff discussed the possibility of including additional categories of RCRA sites in the EPI universe for a potential Phase II EPI effort. Phase II EPI sites would include the 418 converters identified by Region V. EPA is considering the possibility of expanding the EPI universe in a Phase II effort; this agreement applies only to the sites in the original EPI universe, as defined on the previous page.

4. Scope of Work/Level of Effort

Region V will use the PA/VSI scope of work to conduct all assessments at EPI sites with a Superfund lead. The PA/VSI scope of work is provided as **Appendix H**. Data collected from the PA/VSI is used to produce a score from the National Corrective Action Prioritization System. RCRA focuses on writing corrective action orders and issuing permits first for high-priority facilities, especially those that are also located in the Great Lakes Basin. The PA/VSI provides information needed by RCRA to write the corrective action orders and corrective action portions of RCRA permits.

The PA/VSIs conducted to date in Region V do not include preparation of an HRS score. In order to calculate the HRS score from the PA/VSI, additional data would need to be collected, particularly concerning the nature of the target population or ecosystem. Region V agreed to compare the Region V PA/VSI scope of work with the EPI-PA scopes of work used in other Regions that are producing HRS scores (as well as scores from the National Corrective Action Prioritization System) to see what the differences are. OERR would prefer that Region V apply the PA method and produce an HRS score for all Superfund-lead EPI sites. Region V agreed to reconsider this issue when the differences between the scopes of work are known.

The average level of effort (LOE) expended by Region V for PA/VSIs is slightly under 200 hours per site.

5. Deliverables

A sample PA/VSI deliverable package (North East Chemical Corporation) is included as **Appendix I**. The Conclusions, Recommendations, Executive Summary, and Corrective Action Prioritization Scoresheet are not released to the public because they are Enforcement Confidential. HRS scores are also enforcement confidential due to their pre-decisional nature. PA/VSI deliverables are reviewed by the Region V RCRA Enforcement

program. A copy of the complete PA/VSI report (except the Region V scoresheet) is forwarded by the RCRA work assignment manager to the Superfund program. All EPI sites are deferred back to RCRA for corrective action.

Treatment of EPI sites in CERCLIS is as follows: 1) an "E" denotes that the site is a RCRA EPI site; and 2) a "D" denotes that Superfund has completed the EPI assessment of the site and has deferred the site back to RCRA. On June 11, 1991 OERR notified the Regions that the E and D flags became effective in CERCLIS as of June 15, 1991. Region V requested that OERR system-generate the new flags for all historical EPI sites. Region V will provide OERR with the data files of site names and ID numbers, on computer diskette, by July 15, 1991. Region V will be responsible for entering any new data for EPI sites assessed after this time.

6. Who Will Conduct EPI Work

A contractor experienced with RCRA activities has conducted, and will continue to conduct, all the PA/VSIs to date in Region V.

7. Schedule, Milestones, and Budget

In FY 1992, Region V Superfund will provide resources for 250 PA/VSIs on closed and closing TSFs, and RCRA will conduct RFAs on 86 permit seekers, completing the EPI universe in FY 1992. High-priority converters may also be assessed by Region V Superfund/RCRA with FY 1992 resources. An allocation of 200 hours per EPI-PA will be provided to Region V Superfund for Superfund-lead PA/VSIs.

If new sites are added to the list of sites in the original EPI universe provided in this agreement, or if the EPI universe is expanded to include additional RCRA site categories, an

addendum to this agreement will be negotiated presenting the schedule, milestones and budget for completing the work.

APPENDICES

Region V EPI Implementation Agreement

APPENDIX A

REGION V EPI IMPLEMENTATION AGREEMENT

Attendees of the April 10, 1991
Region V EPI Implementation Agreement Meeting

**Region V EPI Agreement Meeting
April 10, 1991**

ATTENDEES

NAME	POSITION	ADDRESS (MAIL CODE)	PHONE	FAX
Penny Hansen	Chief, Site Assessment Branch	EPA-HQ, OS-230	FTS 382-6357	FTS 252-0854
Deborah Duffy	EPI Coordinator, SAB	EPA-HQ, OS-230	FTS 382-6941	FTS 252-0854
Larry Reed	Acting Director, HSED	EPA-HQ, OS-230	FTS 475-8602	FTS 252-0854
Dev Barnes	Director, Permits and State Progs. Division	EPA-HQ, OS-340	FTS 475-7276	
Kevin Pierard	Chief, RCRA Enforcement Branch	EPA-Region V, 5HR-12	FTS 886-4434	
Francine Harris	RCRA Enforcement Branch	EPA-Region V, 5HR-12	FTS 886-2884	
Karin Leff	Office of Waste Progs. Enforcement	EPA-HQ, OS-520	FTS 382-5618	
Tom Geishecker	Chief, Tech. Support Sec. Superfund	EPA-Region V, HSM-TUB7	FTS 886-6336	
Jodi Traub	Chief, Program Mgt. Branch	EPA-Region V, HSM-12	FTS 886-0537	
Bill Messenger	Chief, Site Assessment Section	EPA-Region V, HSM-TUB7	FTS 353-1057	FTS 886-7160
Dave Fagan	Chief, RCRA Corr. Action Section	EPA-HQ, OS-341	FTS 382-4497	FTS 252-0096
Carolyn Pilling	RCRA Corr. Action Section	EPA-HQ, OS-341	FTS 382-6260	FTS 252-0096
Shawna McQueen	Energetics Inc.	7164 Gateway Drive Columbia, MD 21046	301/ 621-8432	301/ 290-0377

APPENDIX B

REGION V EPI IMPLEMENTATION AGREEMENT

Summary of EPI Status in Region V

Summary of EPI Status in Region V

Total TSD Universe ¹	EPI-PAs Completed or Planned thru FY91 ²	Pre-EPI PAs/SIs	RFAs Completed or Planned thru FY91	EPI Sites Remaining to be Addressed (with PA+ or RFA)	EPI-PAs Planned in FY92 ³	RFAs Planned in FY92 ⁴
1069	320	NA	508	241	250	86

¹ Includes unknown number of converters.

² EPI-PAs done prior to FY 1991 on an unknown number of converters.

³ EPI-PAs to be conducted at closed and closing TSFs as well as high-priority converters, as needed.

⁴ To be conducted by RCRA on TSFs seeking permits or high-priority converters, as needed.

APPENDIX C

REGION V EPI IMPLEMENTATION AGREEMENT

List of PA/VSIs Conducted in
Region V (through FY 1991)

Appendix C

PA/VSIs Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSIs
+ABBOTT LABORATORIES	ILD055409940	.T.	.F.
+ASHLAND CHEMICAL CO	ILD043369446	.T.	.F.
+AT& T BELL LABORATORIES INDIAN HILL	ILD068608314	.T.	.F.
+CENTURY RESOURCES	ILD099215303	.T.	.F.
+GATEWAY PETROLEUM CO INC	ILD092358548	.T.	.F.
+HUNTSMAN CHEMICAL CORP	ILD087154555	.T.	.F.
+LONE STAR INDUST OGLESBY CEMENT PLT	ILD980613475	.T.	.F.
+MCKESSON CHEMICAL CO	ILD074583402	.T.	.F.
+MCKESSON CHEMICAL CO	ILD070687165	.T.	.F.
+PARK PLATING & METAL FINISHING CO	ILD005431101	.T.	.F.
+PETROCHEM SERVICES INC	ILD085349264	.T.	.F.
+ROCKWELL INTERNATIONAL CORP	ILD064626344	.T.	.F.
+SAFETY KLEEN CORP 5-034-01	ILD079749073	.T.	.F.
+SAFETY KLEEN CORP 5-136-05	ILD093862811	.T.	.F.
+SAFETY-KLEEN CORP	ILD000805929	.T.	.F.
+SUM CHEMICAL CORP-GPI DIV	ILD053191029	.T.	.F.
+SUM CHEMICAL CORP-GPI DIVISION-CL *	ILD980700777	.T.	.F.
+SUNDSTRAND CORP AVIATION OPT PLT 1	ILD010219665	.T.	.F.
+SUNTEC INDUSTRIES INC	ILD005144605	.T.	.F.
+XEROX CORP CHICAGO PARTS REHAB	ILD096786009	.T.	.F.
+APPLIED COMPOSITES	IND092008440	.T.	.F.
+ASHLAND CHEMICAL INC	IND040300964	.T.	.F.
+BATESVILLE CASKET CO INC	IND004254876	.T.	.F.
+BERNEL FOAM PRODUCTS COMPANY	IND098650484	.T.	.F.
+COPCO STEEL & ENGINEERING CO	IND005157623	.T.	.F.
+CTS CORP ELKHART PLASTICS PLANT	IND000806752	.T.	.F.
+CTS MICROELECTRONICS INC	IND016477036	.T.	.F.
+CTS OF BERNE INC	IND005460548	.T.	.F.
+DANA CORP	IND005478466	.T.	.F.
+DIAMOND CHAIN CO	IND006067888	.T.	.F.
+FEDERAL MOGUL CORP	IND006419964	.T.	.F.
+GENERAL AMERICAN TRANSPORTATION CO*	IND000715078	.T.	.F.
+GHC HYDRAMATIC MUNCIE	IND006066286	.T.	.F.
+LASALLE STEEL FLUID POWER DIV	IND077045680	.T.	.F.
+METAL PLATING CORP	IND067867911	.T.	.F.
+MILES INC	IND000807016	.T.	.F.
+POLLUTION CONTROL INDUSTRIES	IND000641943	.T.	.F.
+RAYBESTOS-MANHATTAN INC	IND006061477	.T.	.F.
+RECYCLING ENGINEERING INC	IND980588578	.T.,	.F.
+SAFETY KLEEN CORP 4-076-01	IND000807073	.T.	.F.
+SAFETY KLEEN CORP 4-076-02	IND000815886	.T.	.F.
+SAFETY-KLEEN CORP 5-060-01	IND000815894	.T.	.F.
+SAFETY-KLEEN CORP 5-082-01	IND000715474	.T.	.F.
+SHELLER-GLOBE CORP HARDY DIV	IND006066377	.T.	.F.
+SHELLER-GLOBE CORP HARDY DIVISION	IND079589628	.T.	.F.
+ULRICH CHEMICAL INC	IND044198034	.T.	.F.
+ULRICH CHEMICAL INC	IND072081169	.T.	.F.

Appendix C

PA/VSI's Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSI
+UNIVERSAL TOOL & STAMPING CO INC	IND005461520	.T.	.F.
+WESTVILLE OIL CO	IND005480462	.T.	.F.
+WHIRLPOOL CORPORATION	IND006383095	.T.	.F.
+ANDERSON DEVELOPMENT CO	MID002931228	.T.	.F.
+BUSH OIL CO	MID980588495	.T.	.F.
+ERIE COATINGS & CHEMICALS INC	MID020263877	.T.	.F.
+FORD MOTOR CO MILAN PLASTICS PLT	MID091955476	.T.	.F.
+GENERAL ELECTRIC CO	MID050616622	.T.	.F.
+GLEASON PRECISION FORMING INC	MID038600276	.T.	.F.
+GMC CENTRAL FOUNDRY DIV SAG MAL IR*	MID005356696	.T.	.F.
+GMC CHEVROLET DETROIT GEAR AND AXLE	MID086744802	.T.	.F.
+GMC CHEVROLET FLINT MFG	MID005356654	.T.	.F.
+GMC TRUCK AND BUS DIV PONTIAC WEST	MID980568836	.T.	.F.
+GULF & WESTERN MFG CO	MID060197662	.T.	.F.
+GULF & WESTERN MFG CO BOHN ALUM & *	MID063705990	.T.	.F.
+MICHIGAN CHROME & CHEMICAL CO	MID005378161	.T.	.F.
+MOTOR WHEEL CORP	MID005380134	.T.	.F.
+SUNDSTRAND HEAT TRANSFER INC	MID005068507	.T.	.F.
+UPJOHN CO THE	MID000821538	.T.	.F.
+US ARMY TANK AUTOMOTIVE COMMAND	M15210022781	.T.	.F.
+AMERICAN STEEL AND WIRE CORP	OHD000821496	.T.	.F.
+ASHLAND CHEMICAL COMPANY	OHD074700311	.T.	.F.
+ASHLAND CHEMICAL COMPANY	OHD002899912	.T.	.F.
+BROWNING-FERRIS IND OF OHIO INC	OHD980795280	.T.	.F.
+CAMBRIDGE TILE MFG COMPANY	OHD004246344	.T.	.F.
+CECOS INTL INC	OHD000816629	.T.	.F.
+COLUMBUS STEEL DRUM COMPANY	OHD004291654	.T.	.F.
+D A B INDUSTRIES INC	OHD004287371	.T.	.F.
+DA-LITE SCREEN CO INC/3M CO BLUE A*	OHD076777788	.T.	.F.
+DETREX CHEMICAL INDUSTRIES INC	OHD080158702	.T.	.F.
+E M SCIENCE/MCB MFG	OHD086438538	.T.	.F.
+ENVIRONMENTAL ENTERPRISES INC	OHD980898407	.T.	.F.
+ENVIRONMENTAL ENTERPRISES INCORP	OHD083377010	.T.	.F.
+ENVIRONMENTAL PROCESSING SERVICES	OHD000608588	.T.	.F.
+GMC HARRISON RADIATOR DIV NORTH PLT	OHD017958604	.T.	.F.
+GOODYEAR TIRE & RUBBER COMPANY	OHD075015180	.T.	.F.
+GOODYEAR TIRE & RUBBER COMPANY THE	OHD000817379	.T.	.F.
+MERCURY STAINLESS STEEL	OHD990834129	.T.	.F.
+NORTH EAST CHEMICAL CORP	OHD980681571	.T.,	.F.
+OLIN CHEMICALS GRP - BROOK PARK PL*	OHD045214947	.T.	.F.
+PARR INC EAST	OHD004179180	.T.	.F.
+PARR INC WEST	OHD060431947	.T.	.F.
+QUEEN CITY BARREL CO	OHD004477634	.T.	.F.
+UNITED TECHNOLOGIES-AUTOMOTIVE PART*	OHD000720607	.T.	.F.
+XXKEM (S.M. ALLEN, INC)	OHD980586804	.T.	.F.
KLOR KLEEN INC	OHD980821862	.T.	.F.
+A.O. SMITH	WID006085815	.T.	.F.

Appendix C

PA/VSIs Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSI
+UOP INC BOSTROM DIV	WID071141170	.T.	.F.
+A L LABORATORIES INC	ILD980792436	.F.	.T.
+ACME FINISHING CO INC	ILD005087812	.F.	.T.
+ADVANCE TRANSFORMER CO	ILD005093836	.F.	.T.
+AKZO CHEMIE AMERICA	ILD000805705	.F.	.T.
+AKZO CHEMIE AMERICA	ILD057833642	.F.	.T.
+AMSTED INDUSTRIES INC	ILD010278281	.F.	.T.
+BARBER-COLMAN CO ROCK ST PLT	ILD005145958	.F.	.T.
+BARKER CHEMICAL CO	ILD005097670	.F.	.T.
+BARKER CHEMICAL CO	ILT180014722	.F.	.T.
+BASF CORP COATINGS AND INKS DIVISI*	ILD005059340	.F.	.T.
+BETZ LABORATORIES INC	ILD009722281	.F.	.T.
+CAMCAR-TEXTRON INC LDR PRODUCTS DIV	ILD056635568	.F.	.T.
+CATERPILLAR TRACTOR CO	ILD980503080	.F.	.T.
+CHICAGO INDUSTRIAL WASTE HAULER INC	ILD980794960	.F.	.T.
+CLARK OIL & REFINING CORP	ILD005109822	.F.	.T.
+CTS MICROELECTRONICS INC CTS KNIGH*	ILD005470125	.F.	.T.
+EKKO HOUSEWARE COMPANY	ILD074418310	.F.	.T.
+ETHICON INC	ILD010300531	.F.	.T.
+EUREKA CO THE	ILD001163823	.F.	.T.
+FEDERAL-MOGUL CORP METAL REMOVAL D*	ILD070686282	.F.	.T.
+FMC CORP AG CHEM GROUP	ILD005472881	.F.	.T.
+GENERAL ELECTRIC CO	ILD070015714	.F.	.T.
+GRACE W R & CO	ILD074406075	.F.	.T.
+HAAS & HAAS INC ROXITE/MASONITE CO*	ILD061047502	.F.	.T.
+KALMUS & ASSOCIATES INC	ILD000810481	.F.	.T.
+LA SALLE ROLLING MILLS INC	ILD022254080	.F.	.T.
+LAKE RIVER CORP TERMINALS DIV	ILD010597276	.F.	.T.
+MANNER PLATING INC	ILD082050576	.F.	.T.
+NALCO CHEMICAL CO	ILD000682120	.F.	.T.
+NATIONAL METALCRAFTERS	ILD047032750	.F.	.T.
+RELIABLE ELECTRIC COMPANY	ILD005105077	.F.	.T.
+RELANCE UNIVERSAL INC IL	ILD006390553	.F.	.T.
+ROGERS BROTHERS CO INC	ILD005113063	.F.	.T.
+RUSSELL BURDSALL & WARD INC	ILD005263538	.F.	.T.
+SURFTEC ENTERPRISES ARMOLLOY OF ILL*	ILD085224376	.F.	.T.
+TECHALLOY ILLINOIS INC	ILD005178975	.F.	.T.
+TEXTRON INC TOWNSEND DIV	ILD042843854	.F.	.T.
+TRAVENOL LABORATORIES INC	ILD000666180	.F.,	.T.
+TRAVENOL LABORATORIES INC	ILD067989723	.F.	.T.
+TROCH DISPOSAL CO	ILD068599133	.F.	.T.
+UARCO INC	ILD005130729	.F.	.T.
+VALLEY CHEMICAL & SOLVENTS CORP	ILD025733866	.F.	.T.
+VALSPAR CORP	ILD001980135	.F.	.T.
+VALSPAR CORP THE	ILD052437506	.F.	.T.
+VALSPAR CORP THE	ILD081040107	.F.	.T.
+VISKASE CORP	ILD005152954	.F.	.T.

Appendix C

PA/VSI's Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSI
+VISCASE CORP	ILD000821462	.F.	.T.
+W H MAZE CO	ILD005973805	.F.	.T.
+WITCO CHEMICAL CORP	ILD074405150	.F.	.T.
+ACCRA PAC INC	IND042080614	.F.	.T.
+ALLIED SIGNAL INC	IND005461165	.F.	.T.
+AMOCO WHITING REFINERY ST F & REF	IND074375585	.F.	.T.
+ANDERSON-BOLLING MFG CO BARLER DIV	IND005068820	.F.	.T.
+CCA OF INDIANA INC	IND057389405	.F.	.T.
+CHEM-METALS INC	IND084582147	.F.	.T.
+CIP INCORPORATED	IND096463435	.F.	.T.
+CITGO PETROLEUM CORP	IND095267381	.F.	.T.
+CONTINENTAL CAN CO USA PLNT 17	IND000715565	.F.	.T.
+ELECTROCHEMICAL COATINGS INC	IND057520868	.F.	.T.
+FLUIDS ENGINEERING CORP	IND099215923	.F.	.T.
+FRANKE PLATING WORKS INC	IND005177050	.F.	.T.
+I V C INDUSTRIAL COATINGS	IND006421820	.F.	.T.
+J&S OIL SERVICE INC	IND980590814	.F.	.T.
+KEystone CONSOLIDATED IND	IND047221866	.F.	.T.
+KEystone GROUP - CRAWFORDSVILLE PL*	IND093230092	.F.	.T.
+LIBBEY-OWENS-FORD PLAST I	IND064705627	.F.	.T.
+MAB PAINTS INC	IND006037741	.F.	.T.
+MCGILL MFG CO INC ELECTRICAL DIV	IND046583571	.F.	.T.
+NIPSCO DN MITCHELL GEN STA	IND000807099	.F.	.T.
+OWENS CORNING FIBERGLASS CORP MCP *	IND052873015	.F.	.T.
+SCOTT PAPER COMPANY FOAM DIV	IND058960329	.F.	.T.
+UCI SOLVENTS INC	INT190011940	.F.	.T.
+URSCHEL LABORATORIES INC	IND005068747	.F.	.T.
+US CAN COMPANY BURNS HARBOR PLT	IND078926029	.F.	.T.
+VALSPAR CORP	IND005178355	.F.	.T.
+WABASH PRODUCTS CO	IND006032593	.F.	.T.
+WARSAW CHEMICAL CO INC	IND005430244	.F.	.T.
+AEROQUIP CORP JACKSON PLT	MID005356498	.F.	.T.
+BASF CORP	MID007138746	.F.	.T.
+BASF CORP	MID057007478	.F.	.T.
+BOSTIK INC	MID060198249	.F.	.T.
+CERTIFIED METAL FINISHING INC	MID980568521	.F.	.T.
+CHECKER MOTORS CORP	MID005319009	.F.	.T.
+COMMERCIAL STEEL TREATING CORP	MID005319405	.F.	.T.
+CONSUMERS POWER CO CENTRAL STORAGE*	MID052044963	.F.,	.T.
+FEDERAL-MOGUL CORP	MID000809749	.F.	.T.
+FITZSIMONS MANUFACTURING COMPANY	MID005354949	.F.	.T.
+FORD MOTOR CO MICHIGAN CASTING CTR	MID058819822	.F.	.T.
+FORD MOTOR CO MT CLEMENS VINYL PLT	MID076342708	.F.	.T.
+GMC CADILLAC MOTOR CAR CLARK PLT	MID005356704	.F.	.T.
+GMC CHEVROLET DETROIT FORGE	MID020105565	.F.	.T.
+GMC FISHER BODY DETROIT CENT PLTS *	MID980568646	.F.	.T.
+GMC FISHER BODY DETROIT CENT PLTS *	MID005356746	.F.	.T.

Appendix C

PA/VSIs Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VS1
+GMC FISHER BODY DIV FORT ST	MID005356787	.F.	.T.
+HUGHES CHEMICAL CO	MID048788749	.F.	.T.
+INMONT CORP.	MID001868538	.F.	.T.
+INTERNATIONAL PAPER CO LIQUID PACK*	MID005345921	.F.	.T.
+SPERRY VICKERS	MID083430348	.F.	.T.
+SPERRY VICKERS	MID001722552	.F.	.T.
+SUN CHEMICAL CORP-GPI DIV	MID044254563	.F.	.T.
+UNION CAMP CORPORATION	MID041580739	.F.	.T.
+WYCKOFF CHEMICAL CO INC	MID080361454	.F.	.T.
+ANOKA HENNEPIN COMPLEX	MND000826321	.F.	.T.
+BUCKBEE MEARS CO MICRO PRODUCTS DIV	MND990860470	.F.	.T.
+CHEMICAL MARKETING CORP OF AMERICA	MND049529423	.F.	.T.
+CONOCO INC WRENSHALL REFINERY	MND006161129	.F.	.T.
+CONTINENTAL CAN CO USA PLT 359	MND030002067	.F.	.T.
+CORNELIUS CO	MND000826313	.F.	.T.
+CROWN CORK AND SEAL	MND030002067	.F.	.T.
+FINISHING EQUIPMENT INC	MND006449474	.F.	.T.
+FULLER H B CO	MND000608612	.F.	.T.
+GF BUSINESS EQUIPMENT INC CRENLO D*	MND980501167	.F.	.T.
+GOULD INC IND BATTERY DIV	MNT280010737	.F.	.T.
+HONEYWELL EDINA PLT MM 11-2920	MND000819276	.F.	.T.
+HUTCHINSON INDUSTRIAL CORP	MND006456768	.F.	.T.
+ILLINOIS TOOL WORKS INC	MND022818306	.F.	.T.
+IMPERIAL INC	MND077637650	.F.	.T.
+INTERNATIONAL BUSINESS MACHINES CO*	MND000821587	.F.	.T.
+INTERNATIONAL PAPER CO LIQUID PACK*	MND006255319	.F.	.T.
+IRATHANE SYSTEMS INC	MND990878456	.F.	.T.
+JOSLYN WOOD PRODUCTS PLANT	MND044799856	.F.	.T.
+LARSEN OIL CO INC	MND980990667	.F.	.T.
+LITTON SYSTEMS INC	MND020502407	.F.	.T.
+LOES OIL CO	MND079714804	.F.	.T.
+MAGNETIC PERIPHERALS	MND000293076	.F.	.T.
+MEEKER MFG INC	MND036142644	.F.	.T.
+METALLURGICAL INC	MND006252589	.F.	.T.
+MIDWEST ELECTRIC PRODUCTS INC	MND006175590	.F.	.T.
+MIDWEST PAINT MFG CO	MND006253546	.F.	.T.
+MINNESOTA RUBBER COMPANY	MND006477244	.F.	.T.
+MUTTING TRUCK & CASTER CO	MND006154017	.F.	.T.
+PAKO CORP	MND006257281	.F.,	.T.
+PARK PENTA CORP	MND023065071	.F.	.T.
+POOR RICHARDS INC	MND068151034	.F.	.T.
+SAFT AMERICA INC PORTABLE BATTERY *	MND980793277	.F.	.T.
+SHELDahl INC	MND006147268	.F.	.T.
+SMITH SYSTEM MFG CO	MND022995690	.F.	.T.
+SOLV OIL SERVICE AND SUPPLY CO INC	MND000685941	.F.	.T.
+STEWART G M LUMBER CO INC	MND006220396	.F.	.T.
+SUPERIOR PLATING INC	MND006253801	.F.	.T.

Appendix C

PA/VSI's Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSI
+TELEX COMMUNICATION INC	MND071342026	.F.	.T.
+THERMO-SERV INC/DART IND INC	MND047246319	.F.	.T.
+TI-KROMATIC PAINTS INC	MND006161657	.F.	.T.
+UNION SCRAP IRON & METAL COMPANY	MND980501647	.F.	.T.
+UNISYS	MND079731519	.F.	.T.
+UNIVAR CORP VAN WATERS & ROGERS DIV	MND064788243	.F.	.T.
+VAN DALE INC	MND006247449	.F.	.T.
+VAN WATERS AND ROGERS INC	MND980615736	.F.	.T.
+VISION EASE CORP	MND006147847	.F.	.T.
+WARDEN OIL CO INC	MND006211692	.F.	.T.
+WORLD CHEMICAL CO	MND006213664	.F.	.T.
+AMCAST INDUSTRIAL CORP GHR DIV	OHD099020133	.F.	.T.
+CE CAST INDUSTRIAL PRODUCTS	OHD045245271	.F.	.T.
+CEILCOTE CO INC	OHD000724146	.F.	.T.
+CHARDON RUBBER COMPANY	OHD093289189	.F.	.T.
+CHROMIUM CORPORATION OF AMERICA	OHD061023768	.F.	.T.
+CLYDE PAINT AND SUPPLY CO INC	OHD005048459	.F.	.T.
+COLD METAL PRODUCTS CO INC	OHD039461314	.F.	.T.
+DESOTO INC	OHD046430328	.F.	.T.
+DEXTER CORP MIDLAND DIV	OHD004531976	.F.	.T.
+DOW CHEMICAL CO FINDLAY PLT	OHD005053624	.F.	.T.
+EATON COLBY CHEMICAL	OHD017890039	.F.	.T.
+FEDERAL-MOGUL CORPORATION	OHD005049184	.F.	.T.
+FERRO CORP CHEM DIV	OHD004161410	.F.	.T.
+FIRESTONE T & R CO RESEARCH PILOT *	OHD980681886	.F.	.T.
+GENERAL AMERICAN TRANSPORTATION CO*	OHD004224085	.F.	.T.
+GENERAL ELECTRIC AVIATION SERV OPS	OHD009101494	.F.	.T.
+GENERAL ELECTRIC CO	OHD004527008	.F.	.T.
+GENERAL ELECTRIC CO AVIATION SER O*	OHD000817304	.F.	.T.
+GENERAL ELECTRIC CO CHEMICAL PROTS*	OHD048433080	.F.	.T.
+GENERAL ELECTRIC CO M-M GLASS PLANT*	OHD004176046	.F.	.T.
+GENERAL ELECTRIC CO OHIO LAMP PLT	OHD066052804	.F.	.T.
+GENERAL ELECTRIC CO PITNEY GLASS P*	OHD048432975	.F.	.T.
+GENERAL ELECTRIC CO RAVENNA LAMP P*	OHD059061317	.F.	.T.
+GENERAL ELECTRIC CO TRUMBULL LAMP *	OHD004224960	.F.	.T.
+GENERAL SIGNAL IND INC CEILCOTE DIV	OHD089895585	.F.	.T.
+GLIDDEN COMPANY	OHD074548728	.F.	.T.
+GMC ASSEMBLY DIV NORWOOD PLT	OHD004260089	.F.	.T.
+GMC CHEVROLET MORaine ASSEMBLY PLT	OHD041063074	.F.,	.T.
+GMC CHEVROLET MORaine ENGINE PLANT	OHD980569388	.F.	.T.
+GMC INLAND DIV	OHD097622336	.F.	.T.
+GMC INLAND DIV VANDALIA PLANT	OHD052151701	.F.	.T.
+GMC NEW DEPARTURE HYATT SANDUSKY O*	OHD001880442	.F.	.T.
+GOODYEAR AEROSPACE CORP	OHD000721514	.F.	.T.
+GOODYEAR TIRE & RUBBER COMPANY	OHD041529918	.F.	.T.
+GOULD INC FOIL DIVISION	OHD980896948	.F.	.T.
+GULF & WESTERN MFG CO BUCKEYE FORGE	OHD004465274	.F.	.T.

Appendix C

PA/VSI's Conducted in Region V
Through FY'91

Facility	ID	PA/ VSI	SCHED PA/VSI
+HANNA CHEMICAL COATINGS CORPORATION	OHD004288890	.F.	.T.
+HOOVER UNIVERSAL INC	OHD000723445	.F.	.T.
+JOYCE IRON & METAL CO	OHD017899980	.F.	.T.
+KEENAN OIL CO PLT 38	OHD004237889	.F.	.T.
+KOPPERS COMPANY INC	OHD068911494	.F.	.T.
+MATHCO CHEMICAL CORP	OHD017796863	.F.	.T.
+MEAD CORPORATION MEAD STORAGE DEPOT	OHD043730209	.F.	.T.
+METAL COATINGS INTERNATIONAL INC	OHD068897586	.F.	.T.
+MONSANTO INDUSTRIAL CHEMICAL COMPA*	OHD071112239	.F.	.T.
+MOORE BENJAMIN & CO	OHD004219929	.F.	.T.
+MORGAN ADHESIVES CO	OHD004155347	.F.	.T.
+MULTICOLOR CORP GEORGIA PACIFIC	OHD004251930	.F.	.T.
+NAVISTAR INTERNATIONAL CORP	OHD049645120	.F.	.T.
+NORTHWAY ENVIRONMENTAL SERVICES INC	OHD980795256	.F.	.T.
+OHIO DEPT OF TRANSPORTATION	OHD980586010	.F.	.T.
+ONARP INC	OHD980995963	.F.	.T.
+PETERS J V & CO	OHD000717140	.F.	.T.
+REPUBLIC ENGINEERED STEELS INC	OHD004447322	.F.	.T.
+REPUBLIC STEEL MAHONING VALLEY YNG*	OHD980568968	.F.	.T.
+REYNOLDS METALS CO	OHD055352512	.F.	.T.
+ROBBINS & MYERS INC	OHD079435897	.F.	.T.
+RUSSELL BURDSALL & WARD INC	OHD001220201	.F.	.T.
+SIMKINS IND INC	OHD097623961	.F.	.T.
+STANDARD PRODUCTS COMPANY	OHD005042031	.F.	.T.
+TAG CHEMICALS CO	OHD980569875	.F.	.T.
+TRW INC	OHD004179453	.F.	.T.
+UNION CAMP CORPORATION	OHD004166336	.F.	.T.
+UNION CARBIDE CORP CARBON PRODUCTS*	OHD004167383	.F.	.T.
+US DOAF RICKENBACKER	OH3571924544	.F.	.T.
+US PRINTING INK CO MILLMASTER ONYX*	OHD990800930	.F.	.T.
+VAN WATERS AND ROGERS DIV OF UNIVAR	OHD094507415	.F.	.T.
+VERNITRON PIEZOELECTRIC DIVISION	OHD052324290	.F.	.T.
+AMRON CORPORATION	WID059974881	.F.	.T.
+BENLO CHEMICALS INC	WID006069207	.F.	.T.
+CASE J I CO	WID000808287	.F.	.T.
+HARNISCHFEGGER CORPORATION	WID096348321	.F.	.T.
+JAMES RIVER PAPER COMPANY INC	WID006133060	.F.	.T.
+QUALITY WOOD TREATING CO INC	WID071150676	.F.	.T.

APPENDIX D

REGION V EPI IMPLEMENTATION AGREEMENT

List of RCRA TSDs Currently in CERCLIS

NOTE FOR USING CERCLIS/HWDMS MATCH

The list provided in this agreement presents the treatment, storage and disposal (TSD) facilities that are currently (as of March 28, 1991) in CERCLIS, matched to HWDMS by ID number. This list contains both the CERCLIS and HWDMS site names (if different), as well as the CERCLA and RCRA events and dates. Not every site in this list is an EPI site, since not all TSDs fit into the original EPI universe definition (storage and treatment facilities, closed and closing land disposal facilities and incinerators).

This list was compiled by matching CERCLIS and HWDMS ID numbers only. Although the two numbers should be the same in most instances, there are cases where they differ; therefore, these sites would not appear on this list. Thus, this list does not provide a complete list of all TSDs in CERCLIS, but provides a close approximation of the number of TSDs in CERCLIS.

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWOMS
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: IL

SITE NAME -----	EPA-ID -----	RCRA FLAG	HWOMS NAME -----	EVT ---	EVT DATE ----
A.B. DICK COMPANY	ILD005093109	Y	DICK A B CO	DS1	07/17/90
AA WASTE OIL SERV INC	ILD000810291		AA WASTE OIL SERV INC	DS1	08/01/80
				PA1	04/01/84
				SI1	06/01/85
				HR1	07/02/87
ALLIED CORP METROPOLIS	ILD006278170		ALLIED CORP METROPOLIS WORKS	DS1	04/01/79
				PA1	01/01/83
				RFA	09/16/86
				SI1	09/01/84
ALLIED TUBE & CONDUCT	ILD057863847	Y	ALLIED TUBE AND CONDUIT CORP	DS1	07/17/90
AMERICAN WASTE PROCESSING LTD	ILD000716894		AMERICAN WASTE PROCESSING LTD	DS1	09/01/79
				PA1	02/01/84
				RFA	05/29/90
				SI1	12/01/84
				HR1	08/02/85
AMEROCK	ILD005163332	Y	AMEROCK CORP	DS1	07/17/90
AMOCO OIL CO REF	ILD980700967		AMOCO OIL CO WOOD RIVER REFINERY	DS1	04/01/79
				PA1	03/14/85
				RFA	07/15/87
				SI1	03/31/86
				HR1	07/30/86
ARMAK CO RESEARCH LAB	ILD000805705		AKZO CHEMIE AMERICA	DS1	12/01/79
				PA1	01/01/84
				PA2	03/01/91
				RFA	04/06/90
				SI1	/ /
ASHLAND CHEM	ILD980700538		ASHLAND CHEMICAL INC	DS1	08/01/80
				PA1	01/01/85
				SI1	09/10/85
				HR1	09/08/86
BARON-BLAKESLEE INC	ILD051937068		BARON BLAKESLEE INC	DS1	12/14/88
				PA1	03/16/90
				RFA	11/23/88
BEAVER OIL & SLUDGE REMOVAL SERV	ILD064418353			DS1	07/01/80
				PA1	03/31/86
				PA2	03/28/90

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDM5
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: IL

SITE NAME	EPA-ID	RCRA FLAG	HWDM5 NAME	EVT DATE
BEAVER OIL & SLUDGE REMOVAL SERV	ILD064418353		BEAVER OIL CO INC	RFA 05/29/90
BI-PETRO REF CO INC	ILD084309210			DS1 06/01/81
			SOUTH CENTRAL TERMINAL	PA1 12/01/83
				RFA 03/25/88
				SI1 12/01/84
				HR1 08/01/86
CABOT CORP	ILD042075333			DS1 08/01/80
			CABOT CORP	PA1 03/14/85
				RFA 06/24/87
				SI1 / /
CATERPILLAR	ILD052664604		CATERPILLAR INC	DS1 12/01/83
				PA1 05/16/85
				PA2 10/10/90
				SI1 / /
CATERPILLAR TRACTOR CO	ILD005070537			DS1 08/01/80
			CATERPILLAR TRACTOR CO	PA1 03/01/83
				SI1 09/01/84
				HR1 03/12/86
CECO CORP THE	ILD990785453			DS1 08/01/80
			CECO CORP	PA1 06/01/83
				RFA 04/01/87
				SI1 09/01/84
				HR1 09/29/85
CENTURY RESOURCES, INC.	ILD099215303			DS1 09/06/89
			CENTURY RESOURCES INC	PA1 02/28/90
				RFA 06/04/90
CHEM-CLEAR	ILD000608471	Y	CLEAN HARBORS OF CHICAGO INC	DS1 07/17/90
CHEMETCO	ILD048843809			DS1 08/01/80
			CHEMETCO INC	PA1 02/05/86
				RFA 03/04/87
				SI1 11/03/87
CID LDFL	ILD010284248			DS1 04/01/79
				PA1 05/01/83
				PA2 03/28/90
			CID-LANDFILL	RFA 03/31/87
CLAYTON CHEM CO	ILD066918327			DS1 06/01/80
				PA1 05/16/85

U.S. ENVIRONMENTAL PROTECTION AGENCY
COMPARISON REPORT - CERCLIS TO HWDMs
IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
FOR REGION: 05 AND STATE: IL

SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT EVT DATE
CLAYTON CHEM CO	ILD066918327		CLAYTON CHEM CO	PA2 02/01/91 RFA 05/29/90 SI1 / /
CORE LUBE	ILD005174461		CORE-LUBE INC	DS1 02/15/90
CUSTOM ORGANICS INC	ILD005450697		SAFETY KLEEN CORP CHGO RC	DS1 04/01/79 PA1 02/01/83 RFA 04/06/90 SI1 09/01/84
DESOTO INC	ILD049993165		DESOTO INC	DS1 06/01/80 PA1 03/01/84 SI1 11/01/84 HR1 06/12/85
DETREX CHEMICAL INDUSTRIES	ILD074424938	Y	DETREX CHEMICAL INDUSTRIES INC	DS1 06/07/90 PA1 10/01/90
DOVER INDUSTRIAL CHROME	ILD005125588	Y	DOVER INDUSTRIAL CHROME INC	DS1 06/07/90 PA1 10/01/90
DOW CHEMICAL - JOLIET PLANT	ILD093154599	Y	DOW CHEMICAL CO	DS1 06/07/90 PA1 10/01/90
DUNAVAN OIL	ILD980794929		DUNAVAN OIL SERVICE	DS1 08/01/80 PA1 09/17/86 SI1 / /
ENTECH RECOVERY INC.	ILD062480850	Y	C P INORGANICS	DS1 06/07/90 PA1 10/01/90
ENVIRITE CORP	ILD000666206		ENVIRITE CORP	DS1 01/15/88 PA1 09/21/90
ENVIRONMENTAL WASTE REMOVAL INC	ILD087157251		ENVIRONMENTAL WASTE RESOURCES INC	DS1 04/01/79 PA1 03/01/84
ESL INC	ILD074411745		WASTE MANAGEMENT ESL	DS1 04/01/79 PA1 02/01/85 PA2 02/07/90 RFA 09/30/87 SI1 / /
FANSTEEL INCORPORATED	ILD005130786	Y	FANSTEEL INC	DS1 07/17/90
FERMI NATL ACCELERATOR LAB	IL6890030046		US DOE FERMI NATL ACCELERATOR LABS	DS1 08/01/80

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDMS
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: IL

SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
-----	-----	----	-----	----
FERMI NATL ACCELERATOR LAB	IL6890030046			PA1 03/01/84
FRINKS IND WASTE INC	ILD980502744			DS1 08/01/80
			FIW INC	PA1 12/01/83
				SI1 09/01/84
GATEWAY PETROLEUM CO INC	ILD092358548			DS1 01/15/88
			GATEWAY PETROLEUM CO INC	PA1 12/01/89
				RFA 03/26/90
GENERAL ELECTRIC CO	ILD005272992		GENERAL ELECTRIC CO	DS1 10/01/80
				PA1 12/01/83
HENKEL CORPORATION	ILD005215769 Y		HENKEL CORP	DS1 07/17/90
IMC TROJAN DIV	ILD980700710			DS1 04/01/79
			TROJAN CORP INC TROJAN DIV	PA1 09/01/84
				RFA 06/30/88
				SI1 10/03/90
INLAND METAL REFINING CO INC	ILD980503213			DS1 09/01/80
			INLAND METALS REFINING CO INC	PA1 05/16/85
				RFA 06/01/87
				SI1 09/23/86
				HR1 09/23/86
JENNSION WRIGHT CORP	ILD006282479			DS1 12/01/83
			JENNISON-WRIGHT CORP THE	PA1 02/05/86
				RFA 04/30/86
				SI1 06/21/89
JOLIET ARMY AMMO PLT LAP AREA	IL0210090049			DS1 01/01/73
			US ARMY JOLIET LAP HONEYWELL	PA1 04/10/85
				RFA 03/30/90
				SI1 04/10/85
				HR1 04/10/85
				NP1 04/10/85
				NF1 03/31/89
JOLIET ARMY AMMO PLT MFG	IL7213820460			DS1 01/01/73
			US ARMY JOLIET ARMY AMMO PLT UNIROYAL	PA1 08/01/84
				RFA 12/31/86
				SI1 08/01/84
				HR1 08/01/84
				NP1 10/15/84
				NF1 07/21/87
KERR-MCGEE CHEM CORP	ILD0020367561			DS1 08/01/80

U.S. ENVIRONMENTAL PROTECTION AGENCY
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SITE NAME -----	EPA-ID -----	RCRA FLAG	HWDMS NAME -----	EVT DATE
KERR-MCGEE CHEM CORP	ILD0020367561		KERR MCGEE CHEMICAL CORP	PA1 03/25/86 PA2 03/28/90 RFA 05/24/88 SI1 / /
KEYSTONE GROUP BARTONVILLE PLT	ILD000714881		KEYSTONE GPOUP BARTONVILLE PLT	DS1 08/01/80 PA1 06/01/83 RFA 02/10/88
KING-SEELEY	ILD000810507		KING SEELEY THERMOS CO	DS1 12/01/83 PA1 02/11/86 PA2 02/07/90
KOPPERS CO INC	ILD005164611		KOPPERS INDUSTRIES INC	DS1 04/01/79 PA1 01/01/83 SI1 12/01/83 HR1 12/01/83
KOPPERS CO INC FOREST PROD GRP	ILD000819946		KOPPERS CO INC CARBONDALE PLT	DS1 04/01/79 PA1 02/01/83 RFA 04/30/86 SI1 09/01/84 HR1 08/01/82
KOPPERS CO/GALESBURG	ILD990817991		KOPPERS CO INC	DS1 04/01/79 PA1 01/01/83 RFA 01/11/88 SI1 04/01/82 HR1 06/01/83 NP1 12/30/82 NF1 09/08/83
LAVIN & SONS	ILD097271563		NORTH CHICAGO REFINERS & SMELTERS DIV	DS1 08/29/90
LIQUID DYNAMICS	ILD074410390		LIQUID DYNAMICS INC	DS1 02/01/84 PA1 07/01/84 SI1 12/01/84 HR1 10/08/85
MARATHON OIL CO ROBINSON REF (SIA)	ILD005476882		MARATHON OIL CO ROBINSON REFINERY	DS1 08/01/80 PA1 06/01/83 RFA 06/10/87 SI1 09/01/84 HR1 12/08/86
MCKESSON	ILD980613913		SAFETY KLEEN ENVIROSYSTEMS CO	DS1 01/15/86 PA1 08/29/86

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 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: IL

SITE NAME	EPA-ID	RCRA FLAG	HWOMS NAME	EVT DATE
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MCKESSON	ILD980613913			SI1 06/30/89
MIKA TIMBER	ILD054955547		MIKA TIMBER CO	DS1 01/28/86 PA1 06/11/86 RFA 09/16/86 SI1 04/20/90
MOBIL OIL CORP CICERO LUBE PLT	ILD000815357		MOBIL OIL CORP CICERO LUBE PLT	DS1 08/01/80 PA1 10/01/86
MODERN PLATING CORP PLT II	ILD005172325		MODERN PLATING CORP PLT 2	DS1 08/01/80 PA1 01/01/83 RFA 04/30/86 SI1 03/01/84 HR1 08/01/82
MORTON CHEM CO	ILD062410550		MORTON INTERNATIONAL INC	DS1 06/14/85 PA1 06/14/85 SI1 06/13/90
MOTOR OILS REFINING CO	ILD000646786		MOTOR OILS REFINING CO	DS1 04/01/79 PA1 09/01/84 SI1 / /
NALCO CHEM CO	ILD005092572		NALCO CHEMICAL CO	DS1 08/01/80 PA1 11/06/87 SI1 12/23/85 HR1 12/02/86
NATIONAL MARINE	ILD042659672		NATIONAL MARINE SERVICE INC	DS1 08/01/80 PA1 01/28/86 SI1 11/26/90
NL INDUSTRIES/TARACORP LEAD SMELT SITE	ILD096731468		TARACORP INDUSTRIES INC	DS1 08/01/80 PA1 05/01/83 RFA 04/30/86 SI1 03/27/84 HR1 03/27/84 NP1 10/15/84 NF1 06/10/86
NORTHWESTERN CHEM CO	ILD005076146		NORTHWESTERN CHEMICAL CO	DS1 08/01/80 PA1 09/01/84 SI1 12/17/85 HR1 08/01/86
NORTHWESTERN STEEL & WIRE CO	ILD005263157			DS1 08/01/80

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SITE NAME	EPA-ID	RCRA FLAG	HMDMS NAME	EVT	DATE
NORTHWESTERN STEEL & WIRE CO	ILD005263157		NORTHWESTERN STEEL & WIRE CO	PA1	07/01/83
				RFA	09/16/86
				RFI	02/01/89
OLIN CORP MAIN PLT	ILD006271696		OLIN CORP MAIN PLT	DS1	04/01/79
				PA1	01/01/85
				RFA	04/02/90
OLIN CORP TECH SYSTEMS ENERGY TEST SITE	ILD000802801		OLIN CORP	DS1	04/01/79
				PA1	07/01/83
				SI1	12/01/84
				HR1	12/08/86
OUTBOARD MARINE CORP JOHNSON	ILD000802827		OUTBOARD MARINE CORP JOHNSON	DS1	08/01/80
				PA1	01/01/83
				SI1	01/01/81
				HR1	08/01/82
				NP1	10/22/81
				NF1	09/08/83
PEORIA DSPL CO	ILD000805812		PEORIA DISPOSAL CO	DS1	08/01/80
				PA1	02/01/83
				RFA	03/31/87
				SI1	06/09/86
				HR1	12/08/86
PETERSON PURITAN INC	ILD005141726		PETERSON PURITAN INC	DS1	08/01/80
				PA1	06/01/83
				RFA	05/07/87
				SI1	09/01/84
				HR1	01/30/86
PETROCHEM SERVICES INC	ILD085349264		HERITAGE ENVIRONMENTAL SERVICES	DS1	01/15/88
				PA1	12/01/89
				RFA	05/29/90
PIERCE WASTE OIL SERV INC	ILD041538487		PIERCE WASTE OIL	DS1	08/01/80
				PA1	07/01/83
				SI1	10/22/90
REILLY TAR & CHEM CO	ILD006278360		REILLY TAR & CHEMICAL CORP	DS1	08/01/80
				PA1	09/17/86
				PA2	03/28/90
				RFA	09/17/87
REPUBLIC STEEL CHGO DIST	ILD056623598			DS1	08/01/80
				PA1	02/01/83

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SITE NAME	EPA-ID	RCRA FLAG	HWDS NAME	EVT DATE
REPUBLIC STEEL CHGO DIST	ILD056623598		LTV STEEL CO CHICAGO DISTRICT	RFA 09/22/87 SI1 07/11/86 HR1 07/28/86
REXNORD INC ROCKFORD PROD PLT #2	ILD000805895		ROCKFORD PRODUCTS CORP PLT 2	DS1 04/08/88 PA1 10/05/88
SAFETY - KLEEN	ILD000805929		SAFETY-KLEEN CORP	DS1 11/10/88 PA1 07/18/89
SAFETY KLEEN	ILD000665851		SAFETY KLEEN CORP 5 034 05	DS1 09/06/89 PA1 02/28/90
SAFETY KLEEN CORP ELGIN SOLVENT	ILD000805911		SAFETY KLEEN CORP ELGIN SOLVENT CENTER	DS1 01/15/88 RFA 01/10/89
SAFETY-KLEEN	ILD079749073		SAFETY KLEEN CORP 5 034 01	DS1 11/10/88 PA1 07/18/89
SAVANNA ARMY DEPOT	IL3210020803		US ARMY SAVANNA ARMY DEPOT	DS1 12/01/79 PA1 02/01/84 SI1 08/01/84 HR1 08/01/84 NP1 10/15/84 NF1 03/31/89
SCA CHEM SERV INC ILLINOIS DIV	ILD000672121		CWM CHEMICAL SERVICES	DS1 04/01/79 PA1 02/01/83 RFA 03/31/87 SI1 03/01/84 HR1 03/01/84
SHELL OIL CO WOOD RIVER REF	ILD080012305		SHELL OIL CO WOOD RIVER REFINERY	DS1 08/01/80 PA1 06/01/83 RFA 07/21/87 SI1 09/01/84 HR1 08/01/86
SHEREX CHEM CO INC	ILD095792859		SHEREX CHEMICAL CO INC	DS1 08/01/80 PA1 07/01/83 SI1 09/01/84
SOUTHERN ILLINOIS UNIVERSITY CARBONDALE	ILD071965214	Y	SOUTHERN IL UNIV DEPT POLLUTION CONTROL	DS1 06/07/90 PA1 10/01/90
SPAULDING COMPOSITES	ILD064000011	Y	SPAULDING FIBRE CO INC SPEC PLASTICS DIV	DS1 07/17/90
STANDARD T CHEM CO INC RESIN PLT	ILD980578876			DS1 11/01/80

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SITE NAME	EPA-ID	RCRA FLAG	HNDMS NAME	EVT EVT DATE
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STANDARD T CHEM CO INC RESIN PLT	ILD980578876		CARGILL INC CHEMICAL PRODUSTC DIV	PA1 06/06/85 SI1 06/13/85
SUN CHEMICAL PLANT #2	ILD980700777		SUN CHEMICAL CORP-GPI DIVISION-CL PLT 2	DS1 09/06/89 PA1 02/28/90
TECHNICAL SERVICES	ILD000646828		TECHNICAL SERVICES CO	DS1 09/01/80 PA1 07/01/84 SI1 06/11/85 HR1 12/20/85
TEXACO INC LAWRENCEVILLE REF	ILD042671248		INDIAN REFINING CO	DS1 06/01/81 PA1 07/01/83 RFA 03/31/87 SI1 02/01/84 HR1 03/01/84
TEXACO INC TEXACO USA DIV	ILD041518861		TEXACO INC TEXACO USA DIV	DS1 08/01/80 PA1 02/01/83 RFA 04/23/87 SI1 08/01/84 HR1 08/01/84
THE TESTOR CORPORATION	ILT180010506		TESTOR CORP THE	DS1 06/23/89 PA1 07/18/89
THIOKOL CORP VENTRON DIV	ILD096787049		THIOKOL CORP-VENTRON DIV	DS1 08/01/80 PA1 09/17/86 SI1 09/19/85 HR1 03/26/86
UNION OIL CO CHICAGO REF	ILD041550567		UNION OIL CO OF CALIF CHGO REFINERY	DS1 08/01/80 PA1 01/01/83 RFA 03/31/87 SI1 03/01/84 HR1 05/01/84
US AIR FORCE CHANUTE AIR FORCE BASE	IL1570024157		US AIR FORCE CHANUTE AFB	DS1 08/01/80 PA1 12/01/83
US ARMY ROCK ISLAND ARSENAL	IL5210021833		US ARMY ROCK ISLAND ARSENAL	DS1 08/01/80 PA1 09/01/84
US DOE ARGONNE NATIONAL LAB	IL3890008946		US DOE ARGONNE NATIONAL LAB IL	DS1 08/01/79 PA1 09/01/84
US DOI SANGAM CRAB ORCH NWR	IL8143609487			DS1 04/01/79

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SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMS NAME -----	EVT EVT ---	DATE DATE ----
US DOI SANGAM CRAB ORCH NWR	IL8143609487		OLIN CORP	PA1	06/01/83
				SI1	08/01/84
				HR1	08/01/84
				NP1	10/15/84
				NF1	03/31/89
US ECOLOGY INC SHEFFIELD	ILD045063450		U S ECOLOGY INC	DS1	04/01/79
				PA1	02/01/83
				RFA	04/30/86
				SI1	08/01/84
				HR1	08/01/84
				NP1	10/15/84
				NR1	10/04/89
VALSPAR PAINT	ILD081040107		VALSPAR CORP THE	DS1	02/19/91
VAN TRAN ELECTRIC CORP	ILD981093628		VAN TRAN ELECTRIC CORP	DS1	06/17/85
				PA1	06/17/85
				RFA	03/25/88
				SI1	12/01/89
VELSICOL CHEM CORP	ILD000814673		VELSICOL CHEMICAL CORP	DS1	06/01/77
				PA1	01/01/83
				RFA	04/30/86
				SI1	09/01/82
				HR1	09/01/82
				NP1	12/30/82
				NF1	09/08/83
WASTEX RESEARCH INC	ILD980700744		WASTEX RESEARCH INC	DS1	06/01/80
				PA1	04/02/85
				PA2	03/28/90
WISCONSIN STEEL WORKS	ILD000849737		WISCONSIN STEEL PLT/TRUST 48 00045 9	DS1	11/23/88
				PA1	03/22/89
WITCO CHEM CORP	ILD074405150		WITCO CHEMICAL CORP	DS1	08/01/80
				PA1	09/01/84
WOODSTOCK DIE CAST INC	ILD005471503		ELTRA CORP WOODSTOCK DIE CASTING	DS1	06/17/86
				PA1	01/30/87
				SI1	12/28/88

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SITE NAME -----	EPA-ID -----	RCRA FLAG	HWOMS NAME -----	EVT EVT ---	DATE DATE ----
ABC PEABODY	IND058957598		PEABODY ABC CORP	DS1 PA1	06/30/88 03/14/89
ACE BATTERY, INC.	IND016389546	Y	ACE BATTERY INC	DS1	02/21/91
ADAMS SAN LDFL	IND078911146		ADAMS SAN LDFL	DS1 PA1 RFA	08/01/80 06/30/87 07/30/86
ALLEGHENY LUDLUM STEEL CORP (SIA)	IND072036114		ALLEGHENY LUDLUM STEEL CORP	DS1 PA1 RFA SI1 HR1	08/01/84 09/01/84 03/31/88 12/20/85 03/03/86
ALUMINUM CO OF AMERICA	IND006366819		ALCOA HARRICK OPERATIONS	DS1 PA1 PA2 RFA SI1	08/01/80 08/15/85 02/07/90 09/30/87 / /
AMERICAN CHEM SERV INC	IND016360265		AMERICAN CHEM SERV INC	DS1 PA1 RFA SI1 HR1 NP1 NF1	04/01/79 09/01/82 12/13/88 09/01/80 08/01/82 09/08/83 09/21/84
AMOCO WHITING REF STF & REF	IND074375585		AMOCO OIL CO BOAT DOCKS	DS1 PA1 SI1	09/01/78 04/01/83 04/15/85
ARVIN AUTOMOTIVE	IND000810903		ARVIN INDUSTRIES INC AUTOMOTIVE	DS1 PA1 PA2 RFA	12/02/85 06/19/87 02/07/90 03/31/88
ASHLAND CHEM CO	IND016621476		ASHLAND CHEM CO	DS1 PA1 SI1 HR1	08/01/80 02/01/85 09/06/85 07/28/86
ASHLAND CHEMICAL CO	IND000810705		ASHLAND CHEMICAL INC	DS1 PA1 DS1	01/15/88 12/30/88 02/10/89
	IND040300964				

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT DATE
ASHLAND CHEMICAL CO	IND040300964		ASHLAND CHEMICAL INC	PA1 05/17/89 RFA 03/22/89
BALL CORPORATION	IND000810713		BALL CORP	DS1 02/10/89 PA1 12/07/89 PA2 02/15/91
BLUE LAKE INC	IND046107157		BLUE LAKE INC	DS1 11/06/87 PA1 11/04/88 RFA 03/21/89
BY PROD MGMT INC	IND020939856		BY PROD MGMT INC	DS1 08/01/80 PA1 03/01/83 SI1 02/01/84
CHRYSLER CORP FOUNDRY	IND087032611		CHRYSLER CORP INDIANAPOLIS FOUNDRY	DS1 11/06/87 PA1 11/04/88 RFA 09/30/87
CONSERVATION CHEM CO	IND040888992		CONSERVATION CHEM CO	DS1 08/01/82 PA1 06/30/87 RFA 12/31/86 SI1 05/01/84 HR1 01/27/87
CONTINENTAL STEEL DIXON RD.	IND980503726		CONTINENTAL STEEL CORP	DS1 02/10/89 PA1 11/07/89
COPLAY CEMENT CO	IND005081542		ESSROC MATERIALS	DS1 01/15/88 PA1 12/30/88 RFA 02/03/89
CORNING GLASS WKS BLUFFTON PLT	IND005557244		CORNING INC	DS1 08/01/80 PA1 03/01/83 RFA 12/10/86
CTS CORP	IND082864729		CTS CORP ELKHART DIV MAIN PLANT	DS1 12/01/83 PA1 12/01/84 SI1 06/14/85 HR1 12/08/86
CTS CORP ELKHART PLASTICS DIV	IND000806752		CTS CORP ELKHART PLASTICS PLANT	DS1 02/10/89 PA1 08/08/89
CTS MICROELECTRONICS	IND016477036		CTS MICROELECTRONICS INC	DS1 01/03/89 PA1 12/05/89
CTS OF BERNE, INC.	IND005460548		CTS OF BERNE INC	DS1 02/10/89

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT	EVT DATE
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CTS OF BERNE, INC.	IND005460548			PA1	08/08/89
DA-LITE SCREEN	IND005145784		DA-LITE SCREEN COMPANY INC	DS1	11/06/87
				PA1	11/04/88
				RFA	06/30/88
DANA CORP SPICER AXLE DIV	IND005470885		DANA CORP SPICER AXLE DIV	DS1	08/01/80
				PA1	09/25/85
				PA2	03/27/90
				SI1	/ /
DANA CORPORATION	IND005416508		INTAT PRECISION INC	DS1	11/06/86
				PA1	11/06/87
				PA2	02/07/90
				RFA	03/31/88
DELCO ELECTRONICS PLT #8	IND000806851		GMC DELCO ELECTRONICS KOKOMO BYPASS	DS1	11/06/87
				PA1	03/31/89
DETREX CHEMICAL INDUSTRIES INC	IND085616837		GOLD SHIELD SOLVENTS	DS1	01/15/88
				PA1	12/30/88
				RFA	05/22/90
DETROIT DIESEL ALLISON PLT 5	IND000806836		GMC ALLISON GAS TURBINE PLT 5 AND 8	DS1	03/25/86
				PA1	04/30/86
				RFA	08/01/86
DIAMOND CHAIN	IND006067888		DIAMOND CHAIN CO	DS1	01/04/90
				PA1	05/08/90
ENERGY COOPERATIVE INC	IND082547803		ENERGY COOPERATIVE INC	DS1	07/01/80
				PA1	03/01/83
				SI1	08/01/83
				SI2	03/04/86
				HR1	08/01/83
FEDERATED METALS CORP WHITING	IND005444104		FEDERATED METALS CORP WHITING	DS1	03/01/80
				PA1	03/01/84
				PA2	02/07/90
				SI1	/ /
FORD METER BOX CO INC	IND005146683		FORD METER BOX CO INC THE	DS1	05/01/83
				PA1	03/29/85
FOUR COUNTY LDFL	IND000780544		FOUR COUNTY LDFL	DS1	10/01/79
				PA1	12/01/84
				RFA	06/11/86

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FOUR COUNTY LDFL	IND000780544			SI1 09/20/85 HR1 07/28/86
GARY DEV CO INC	IND077005916		GARY DEVELOPMENT CO INC	DS1 04/01/79 PA1 06/01/83 RFA 09/30/87 SI1 01/01/84
GENERAL AMERICAN TRANS CORP	IND074429895		GENERAL AMERICAN TRANSPORTATION CORP	DS1 08/01/80 PA1 02/01/84 SI1 09/27/85
GENERAL ELEC	IND006040299		GENERAL ELECTRIC CO INC	DS1 10/01/80 PA1 09/01/84 SI1 08/21/85 HR1 03/11/86
GENERAL ELECTRIC CO	IND006376362		GENERAL ELECTRIC CO	DS1 04/01/79 PA1 06/01/83 RFA 03/20/87 SI1 09/01/84 HR1 04/26/85
GLADIEUX REFINERY WEST TANK TERMINAL	IND016308348		GLADIEUX REFINERY INC	DS1 11/06/87 PA1 11/04/88
GMC DELCO REMY DIV	IND000806877		GMC DELCO REMY DIV	DS1 08/01/80 PA1 03/01/84 PA2 02/07/90 RFA 07/31/86
GRANT COUNTY LDFL	IND000715094		GRANT CTY LDFL	DS1 08/01/80 PA1 04/01/84 RFA 07/31/86 SI1 09/10/90
GTI CORP CIRCUITS DIV	IND005130695		GTI CORP CIRCUITS DIV	DS1 09/01/80 PA1 03/04/86 PA2 09/21/87 SI1 11/11/87
GULF & WESTERN MFG CO BOHN ALUM & BRASS	IND052959640		BOHN BEARING DIV	DS1 08/01/80 PA1 03/01/83 RFA 12/31/86 SI1 09/09/85 HR1 12/08/86
HARRISON STEEL CASTING CO (SIA)	IND005173471			DS1 09/17/84

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SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT	DATE
HARRISON STEEL CASTING CO (SIA)	IND005173471		HARRISON STEEL CASTINGS CO	PA1	11/04/88
				SI1	06/23/89
HODGES LLOYD	IND077042034		BRESLUBE USA INC EAST CHICAGO	DS1	08/01/80
				PA1	09/01/84
				RFA	02/26/90
				SI1	12/03/86
HYDRAMATIC DIV. OF GM	IND006066286		NEW VENTURE GEAR INC	DS1	02/10/89
				PA1	12/05/89
IBM	IND081534075		INTERNATIONAL BUSINESS MACHINES CORP	DS1	05/11/87
				PA1	06/30/87
ILWD	IND093219012		HERITAGE ENVIRONMENTAL SVCS	DS1	04/01/79
				PA1	05/01/83
				RFA	05/24/88
ILWD INC	IND980503775		ILWD LANDFILL	DS1	10/01/79
				PA1	10/01/83
				RFA	03/31/88
				SI1	12/01/83
ILWD INC ROACHDALE LDFL	IND980503890		HERITAGE ENVIRON SERV INC ILWD	DS1	11/25/85
				PA1	06/30/87
				RFA	06/09/86
INDIANA FARM BUREAU COOP ASSN INC	IND044908663		INDIANA FARM BUREAU COOP ASSN INC	DS1	06/02/80
				PA1	06/19/87
				RFA	07/23/86
INDIANA HARBOR WKS	IND005462601		LTV STEEL CO INDIANA HARBOR WKS	DS1	08/01/80
				PA1	07/01/83
				PA2	02/07/90
				SI1	/ /
INDIANA STEEL & WIRE CO	IND041855776		INDIANA STEEL AND WIRE CO	DS1	06/01/80
				PA1	12/01/83
				RFA	09/01/88
INDIANA WASTE SYSTEMS INC WHEELER LDFL	IND000708446		INDIANA WASTE SYSTEMS INC WHEELER LDFL	DS1	08/01/80
				PA1	06/28/85
				PA2	08/28/90
				RFA	09/26/90
				SI1	/ /
INDIANA WOODTREATING	IND082293143			DS1	05/01/79

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT	EVT DATE
INDIANA WOODTREATING	IND082293143		INDIANA WOODTREATING CORP	PA1	12/01/84
				RFA	03/31/87
				SI1	12/30/85
				HR1	07/28/86
INDUSTRIAL FUELS & RESOURCES CHEM SOLV	IND980590947		INDUSTRIAL FUELS AND RESOURCES CHEMSOLV	DS1	01/15/88
				PA1	12/30/88
INGERSOLL JOHNSON STEEL CO	IND093220861		INGERSOLL JOHNSON STEEL CO	DS1	08/01/80
				PA1	03/01/83
				RFA	09/30/87
				SI1	09/01/84
				HR1	03/12/86
INGRAM RICHARDSON CO	IND082287632		INGRAM RICHARDSON CO	DS1	05/01/83
				PA1	05/29/85
				RFA	03/31/88
				SI1	06/13/86
				HR1	12/08/86
INLAND STEEL CO	IND005159199		INLAND STEEL CO	DS1	08/01/80
				PA1	02/01/85
				RFA	05/19/87
				SI1	09/05/85
				HR1	07/31/86
INTERNATIONAL MINERALS CORP	IND040294621		PITMAN MOORE INC	DS1	08/01/80
				PA1	06/19/87
				RFA	01/29/90
ITT UNITED PLASTICS DIV	IND000803825		UNITED PLASTICS CO INC	DS1	02/10/86
				PA1	02/13/86
				RFA	03/31/87
				SI1	05/04/90
JOHNSON CONTROLS INC	IND009549593		JOHNSON CONTROLS INC	DS1	08/01/80
				PA1	02/01/84
				SI1	12/01/84
KOPPERS CO INC	IND000781609		HICKSON CORP	DS1	04/01/79
				PA1	09/01/84
				RFA	12/19/88
LANDIS & FYR METERING INC	IND005105408		LANDIS AND GYR METERING INC DUNCAN ELE	DS1	11/06/86
				PA1	11/06/87
				RFA	03/31/87
LASALLE STEELE FLUID POWER OPERATIONS	IND077045680		LASALLE STEEL FLUID POWER DIV	DS1	02/10/89

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT DATE
LASALLE STEELE FLUID POWER OPERATIONS	IND077045680			PA1 08/08/89
LILLY ELI & CO LABS	IND006050967		LILLY ELI AND CO TIPPECANOE LABS	DS1 08/01/80 PA1 04/01/83 RFA 12/31/86 SI1 11/12/86 HR1 11/12/86
LONE STAR IND INC	IND006419212		SYSTECH ENVIRONMENTAL CORP	DS1 06/01/81 PA1 12/31/85
MASON METAL CO INC	IND005460209		MASON METAL CO INC	DS1 07/01/80 PA1 03/04/86 RFA 06/15/87 SI1 / /
METAL PLATING CORP.	IND067867911		GREENE MANUFACTURING CO	DS1 01/03/89 PA1 12/05/89
MIDWEST STEEL	IND016584641		MIDWEST STEEL CO	DS1 02/01/85 PA1 06/17/87 RFA 04/01/87 SI1 06/28/85 HR1 09/29/85
MIDWEST TREATING CORP	IND079651436		FOSTER WOOD PRODUCTS	DS1 03/01/85 PA1 06/23/86 PA2 02/07/90 RFA 01/30/87
MILES INC.,DIAGNOSTICS DIV	IND000807016		MILES INC	DS1 02/10/89 PA1 08/08/89
MILES LABORATORIES INC-WALTER CO (SIA)	IND005068705		MILES INC	DS1 02/01/84 PA1 02/01/85 PA2 02/07/90 RFA 09/20/89 SI1 / /
NATIONAL SEAL LDFL	IND005382346		FEDERAL MOGUL CORP SEALING PRODUCTS DIV	DS1 04/27/87 PA1 06/30/87
NORTHSIDE SANITARY LDFL	IND050530872		NORTHSIDE SAN LDFL	DS1 04/01/79 PA1 04/01/83 RFA 12/31/86 SI1 05/01/83 HR1 09/01/83

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SITE NAME	EPA-ID	RCRA FLAG	HMDMS NAME	EVT	EVT DATE
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NORTHSIDE SANITARY LDFL	IND050530872			NP1	09/08/83
				NF1	09/21/84
OLIN CORP PERU MKS	IND980614051		STANDARD FUSEE	DS1	10/01/79
				PA1	02/05/86
POLLUTION CONTROL IND OF AMERICA	IND000646943		POLLUTION CONTROL INDUSTRIES OF AMER INC	DS1	01/15/88
				PA1	01/12/89
PRECISION PLASTICS INC	IND005080718		PRECISION PLASTICS INC	DS1	08/01/80
				PA1	09/25/85
				SI1	/ /
PURDUE UNIVERSITY	IND072051394			DS1	03/04/86
			PURDUE UNIVERSITY	PA1	06/19/87
				RFA	06/12/87
RAYBESTOS MANHATTAN, INC	IND006061477	Y	RAYBESTOS PRODUCTS CO	DS1	10/12/89
REA MAGNET WIRE CO	IND004320032		REA MAGNET WIRE CO ALUM CO OF AMERICA	DS1	09/01/80
				PA1	03/01/83
				PA2	03/27/90
RECLAIMED ENERGY CO INC	IND000780403			DS1	08/01/80
			RECLAIMED ENERGY CO INC	PA1	06/01/83
				RFA	09/14/89
RECYCLING ENGINEERING INC	IND980588578		RECYCLING ENGINEERING INC	DS1	02/10/89
				PA1	03/14/89
				PA2	08/08/89
REFINED METALS CORP BEECH GROVE PLT	IND000718130			DS1	11/01/80
			REFINED METALS CORP BEECH GROVE PLT	PA1	11/13/85
				RFA	03/31/87
REILLY TAR & CHEM INDIANA P	IND000807107			DS1	08/01/80
			REILY INDUSTRIES INC	PA1	04/01/83
				RFA	03/01/90
				SI1	08/01/82
				HR1	08/01/82
				NP1	09/08/83
				NF1	09/21/84
ROCK ISLAND REF CORP	IND006417430			DS1	07/01/80
			MARATHON PETROLEUM CO IN REFINING DIV	PA1	04/01/83
				RFA	03/31/87
				SI1	04/10/85

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ROCK ISLAND REF CORP	IND006417430			HR1 09/29/85
SAFETY KLEEN CORP.	IND000715474			DS1 02/10/89
			SAFETY KLEEN CORP 5 082 01	PA1 05/17/89
	IND0000815894			RFA 12/28/88
			SAFETY KLEEN CORP 5 060 01	DS1 02/10/89
				PA1 08/08/89
				RFA 12/14/88
SAFETY KLEEN CORPORATION-BROOKVILLE ROAD	IND0000815886		SAFETY KLEEN CORP 4 076 02	DS1 02/10/89
				PA1 05/17/89
STAUFFER CHEM CO	IND001859032			DS1 10/01/79
			RHONE POULENE	PA1 07/19/85
				RFA 06/27/86
				SI1 06/25/86
				HR1 12/18/86
STOUT STORAGE BATTERY CORP.	IND006066955			DS1 02/10/89
			STOUT STORAGE BATTERY CORP	PA1 05/09/90
				RFA 03/31/88
				SI1 09/24/90
TEXACO USA MT VERNON TERM	IND980271829			DS1 08/01/80
			INDIAN REFINING CO	PA1 09/01/84
				SI1 12/27/85
				HR1 08/01/86
THE ANDERSON CO/SCHAFFER INC.	IND016520017			DS1 01/06/87
			ANDERSON CO	PA1 06/08/89
				RFA 12/31/86
				SI1 / /
TITAN OIL CO	IND000646950		TITAN OIL CO	DS1 08/29/85
				PA1 06/30/87
				PA2 02/07/90
ULRICH CHEMICAL, INC	IND072081169			DS1 11/07/86
			ULRICH CHEMICAL INC	PA1 11/07/87
UNIVAR CORP VAN WATERS & ROGERS DIV	IND016627333			DS1 05/01/80
				PA1 12/18/85
				PA2 05/29/90
			VAN WATERS AND ROGERS S BEHD	RFA 04/26/90
UNIVERSAL TOOL & STAMPING CO., INC.	IND005461520		UNIVERSAL TOOL AND STAMPING CO INC	DS1 01/03/89
				PA1 12/05/89

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SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMS NAME -----	EVT ---	DATE ----
US ARMY INDIANA ARMY AMMO PLT	IN9210020443		US ARMY INDIANA ARMY AMMO PLT	DS1 PA1 RFA SI1 HR1	03/01/80 05/01/83 03/31/87 08/01/84 08/01/84
US ARMY JEFFERSON PROVING GROUND	IN5210020454		US ARMY JEFFERSON PROVING GROUND	DS1 PA1	08/01/80 03/01/85
US ARMY NEWPORT ARMY AMMO PLT	IN1210022272		US ARMY NEWPORT ARMY AMMO PLT	DS1 PA1 RFA SI1	03/01/80 07/01/84 12/31/86 03/08/85
US ARMY SOLDIER SUPPORT CTR	IN4210090003		US ARMY SOLDIER SUPPORT CENTER	DS1 PA1	08/01/80 06/19/87
US NAVY NAVAL WEAPONS SUPPORT CTR	IN5170023498		US NAVY NAVAL WEAPONS SUPPORT CTR	DS1 PA1 RFA	08/01/80 05/01/83 04/01/87
USDAF USAF GRISSOM AFB ALERT FAC	IN9570024472		USDAF USAF GRISSOM AFB ALRT FAC	DS1 PA1	08/01/80 06/19/87
USS LEAD REF INC	IND047030226		USS LEAD REFINERY INC	DS1 PA1 RFA SI1 SI2 HR1	01/01/80 05/01/83 09/30/87 07/03/85 05/12/86 03/16/86
USSC GARY WKS & TUBING SPEC	IND005444062		USSC GARY WORKS	DS1 PA1 RFA SI1 HR1	08/01/80 09/01/84 06/30/87 03/04/86 07/28/86
WAYNE TRANSPORTATION BUS WKS	IND046170569		WAYNE CORP	DS1 PA1	02/01/80 09/01/84
WEIL MCLAIN (SIA)	IND074307265		MARLEY WYLAIN CO WEIL MCLAIN DIV	DS1 PA1 SI1	03/23/86 03/23/87 03/16/90
WESTINGHOUSE ELEC CORP	IND006062467		WESTINGHOUSE ABB POWER T AND D CO	DS1 PA1	03/04/85 03/04/86

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT DATE
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WESTINGHOUSE ELEC CORP	IND006062467			SI1 04/14/89
WHIRLPOOL CORP	IND006383095		WHIRLPOOL CORP MORGAN AVE PLT	DS1 01/03/89 PA1 12/05/89
WILLCUTT LDFL	IND000772707		WILLCUTT LDFL	DS1 09/01/80 PA1 07/19/85 PA2 09/24/87 RFA 03/31/88 SI1 / /
WOLF LAKE TERMINALS	IND054101415		RAPID LIQUID WASTE WOLF LAKE TERMINAL	DS1 10/01/80 PA1 09/20/85 SI1 06/17/87
YODER OIL	IND005944079		YODER OIL CO INC	DS1 02/10/89 PA1 11/07/89

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A-1 DSPL LDFL	MID059695452			DS1	04/01/79
			A-1 DISPOSAL CORP	PA1	03/18/85
				RFA	11/30/85
				SI1	07/01/87
				HR1	08/01/82
AC GMC SPARK PLUG	MID005356647		GMC AC SPARK PLUG DIV DORT HWY	DS1	03/31/85
				PA1	06/10/87
ALLEGAN METAL FINISHING CO	MID006016190			DS1	08/01/80
				PA1	12/01/84
			ALLEGAN METAL FINISHING CO	PA2	05/04/90
				SI1	/ /
ALLIED CHEM CORP DETROIT TAR PLT	MID005517198		ALLIED SIGNAL INC	DS1	10/01/80
				PA1	12/31/86
AMERICAN CYANAMID CO	MID005360680			DS1	04/01/79
				PA1	10/04/85
			AMERICAN CYANAMID CO	PA2	02/07/90
				RFA	08/10/87
				SI1	/ /
AMERICAN WASTE OIL CORP	MID050598390		AMERICAN WASTE OIL CORP	DS1	01/15/88
				PA1	01/06/89
AMWAY CORP	MID006026793		AMWAY CORP	DS1	08/01/80
				PA1	01/30/87
ASHLAND CHEM	MID047173653		ASHLAND CHEMICAL CO	DS1	06/01/85
				PA1	06/01/85
				SI1	03/31/86
				HR1	12/08/86
AUTO SPECIALTIES MFG CO	MID005119748		AUTO SPECIALTIES MFG CO	DS1	08/01/80
				PA1	09/18/85
				PA2	02/07/90
				SI1	/ /
BASF WYANDOTTE CORP	MID006411953			DS1	08/01/80
				PA1	03/01/83
			BASF CORP	SI1	/ /
	MID064197742			DS1	08/01/80
				PA1	01/01/83
				SI1	08/01/82
			BASF CORP	HR1	08/01/82

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SITE NAME -----	EPA-ID -----	RCRA FLAG	HMDMS NAME -----	EVT ---	EVT DATE ----
BOFORS NOBEL INC	MID006030373		LOMAC INC	DS1	01/01/71
				PA1	03/01/83
				SI1	07/15/86
				HR1	01/28/87
				NP1	06/24/88
				NR1	03/31/89
BROOKS FOUNDRY	MID005392303		BROOKS FOUNDRY INC	DS1	05/11/89
BUCKEYE PROD CORP	MID005044813		BUCKEYE PRODUCTS CORP	DS1	03/31/85
				PA1	06/28/85
				PA2	02/07/90
CAMPBELL WYATT & COMMON CMC PLT #3	MID006030357		CMC CASTINGS DIV PLT 3	DS1	12/01/79
				PA1	12/11/87
				RFA	08/25/87
CAN FLOW INTERNATIONAL INC	MID095404281		CARTERS WASTE OIL & REC INC	DS1	07/02/86
				PA1	10/07/88
				SI1	10/01/90
CHEM TREND INC	MID006402887		CHEM-TREND INC	DS1	06/01/84
				PA1	06/28/85
				SI1	12/30/85
				HR1	07/31/86
CHEMICAL RECOVERY SYSTEMS INC	MID060975844		MICHIGAN RECOVERY SYSTEMS	DS1	04/01/79
				PA1	04/01/83
				RFA	10/02/85
				SI1	08/01/83
				HR1	08/01/83
CHEMMET SERV INC	MID096963194		CHEM-MET SERVICES INC	DS1	04/01/79
				PA1	07/24/85
				PA2	02/07/90
				RFA	11/30/85
				SI1	/ /
CHEVY LIVONIA PLT	MID005356621		GMC DELCO PRODUCTS DIV	DS1	07/24/85
				PA1	07/24/85
				PA2	06/12/90
				SI1	/ /
CIBA GEIGY CORP	MID067352989		CIBA-GEIGY CORP REN PLASTICS DIV	DS1	08/01/80
				PA1	09/01/84
DEARBORN REFINING CO	MID005510805			DS1	12/31/85

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DEARBORN REFINING CO	MID005510805		DEARBORN REFINING CO	PA1 12/11/87 RFA 04/26/89
DETREX CHEMICAL INDUSTRIES INC	MID020906764		DETREX CHEMICAL	DS1 01/15/88 PA1 01/06/89 PA2 10/12/90
	MID091605972		DETREX CHEMICAL INDUSTRIES INC	DS1 01/15/88 PA1 01/06/89 RFA 11/15/88
DOW CHEM CO MICHIGAN DIV MIDLAND LOC	MID000724724		DOW CHEMICAL CO MICHIGAN DIV MIDLAND LOC	DS1 04/01/79 PA1 02/01/83 RFA 11/30/85
DOW CORNING CORP MIDLAND PLT	MID000809632		DOW CORNING CORP MIDLAND PLT	DS1 04/01/79 PA1 07/01/83 RFA 06/27/86
DRUG & LABORATORY DISPOSAL INC	MID092947928		DRUG & LABORATORY DISPOSAL INC	DS1 01/15/88 PA1 01/06/89
DU PONT E I DE NEMOURS CO MONTAGUE WKS	MID000809640		DU PONT E I DE NEMOURS CO MONTAGUE WORKS	DS1 04/01/79 PA1 03/01/83 RFA 12/21/89 SI1 08/01/84 HR1 08/01/84 NP1 10/15/84 NR1 03/31/89
DU-WEL HARTFORD	MID005422514		DU-WEL HARTFORD INC	DS1 12/01/79 PA1 06/28/85 SI1 03/31/86 HR1 08/01/86
EAST JORDAN IRON WKS INC	MID006020309		EAST JORDAN IRON WORKS INC	DS1 11/01/80 PA1 03/01/83 RFA 09/28/86 SI1 11/01/83 HR1 12/08/86
EATON MFG	MID005513262		GREDE FOUNDRIES INC GREDE VASSAR	DS1 12/04/85 PA1 06/30/87 PA2 12/14/89 RFA 09/25/86
EDWARDS OIL CO	MID088754668			DS1 12/31/85 PA1 12/22/87

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EDWARDS OIL CO	MID088754668		EDWARDS OIL SERVICE INC	RFA	02/07/89
ELTRA CORP PRESTOLITE MOTOR DIV	MID005359286		PRESTOLITE	DS1 PA1	08/01/80 05/01/83
ENVIRONMENTAL WASTE CONTROL INC	MID057002602		ENVIRONMENTAL WASTE CONTROL INC	DS1 PA1 RFA	08/01/80 11/16/87 01/14/87
ERIE COATING & CHEMICALS INC	MID020263877		ERIE COATINGS & CHEMICALS INC	DS1 PA1	01/30/89 04/11/90
FEDERAL-MOGUL CORP	MID006021414		FEDERAL-MOGUL CORP	DS1 PA1 SI1	08/01/80 04/01/83 09/01/84
FENSKE ENTERPRISES	MID072589328		FENSKE ENTERPRISES	DS1 PA1 RFA SI1 HR1	12/01/68 03/01/83 02/28/86 10/01/83 11/01/83
FORD MILAN PLASTICS	MID091955476		FORD MOTOR CO MILAN PLASTICS PLT	DS1 PA1	11/15/89 04/11/90
FORD MOTOR CO	MID005057005		FORD MOTOR CO MONROE PLT	DS1 PA1 RFA SI1 HR1	01/01/50 03/01/83 03/23/87 11/01/83 11/01/83
FORD MOTOR CO ALLEN PARK CLAY MINE	MID980568711		FORD MOTOR CO ALLEN PARK CLAY MINE	DS1 PA1 RFA	08/01/80 03/01/83 06/27/86
GENERAL ELECTRIC DETROIT APPARATUS SERVI	MID050616622	Y	GENERAL ELECTRIC CO	DS1	01/11/91
GMC - CHEVROLET - FLINT MFG.	MID005356654		GMC CHEVROLET FLINT MFG	DS1 PA1	02/16/90 04/11/90
GMC CHEVROLET PONTIAC CANADA PLT	MID005356688		GMC ENGINE DIVISION	DS1 PA1 RFA	12/30/86 01/02/87 10/02/85
GMC FISHER BODY COLDWATER ROAD	MID005356860		GMC FISHER BODY DIV COLDWATER RD	DS1 PA1 RFA	12/01/79 05/01/83 05/28/87

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SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMS NAME -----	EVT ---	EVT DATE ----
GMC PONTIAC MOTOR DIV	MID005356886		GMC CPC PONTIAC	DS1 PA1	08/01/80 12/22/87
GMC PROVING GROUND MILFORD	MID0082220757		GMC PROVING GROUND MILFORD	DS1 PA1 PA2 RFA	08/01/80 02/23/88 04/25/90 11/16/88
GMC SAGINAW DIV. - DETROIT PLANT	MID0086744802		GMC CHEVROLET DETROIT GEAR AND AXLE	DS1 PA1	02/21/90 04/11/90
GMC TRUCK & COACH DIV PONTIAC EAST	MID0005356902		GMC TRUCK & BUS GROUP	DS1 PA1 RFA SI1 HR1	08/01/80 05/01/83 03/17/87 11/01/83 11/01/83
GRAND BLANC LDFL	MID980506265		GRAND BLANC LANDFILL	DS1 PA1 SI1 HR1	12/01/79 06/01/83 09/01/84 12/08/86
GRAND TRUNK WESTERN RR	MID079300075		GRAND TRUNK WESTERN RAILROAD CO	DS1 PA1 SI1	06/01/84 01/01/85 03/31/86
HEXCEL CORP CHEM PROD DIV	MID0083684290		HEXCEL CORP CHEMICAL PRODUCTS DIV	DS1 PA1	08/01/80 07/29/86
HOLLAND DIE CASTING & PLTG CO	MID006020895		KENT-HOLLAND DIE CASTING & PLATING INC	DS1 PA1 SI1 HR1	06/01/80 01/01/85 12/26/85 03/11/86
HOOVER CHEM & PLASTIC CORP UDYLLITE DIV	MID0056717747		ENTHONE OMI INC	DS1 PA1 RFA SI1 HR1	04/01/79 05/01/83 02/08/89 09/01/84 12/08/86
HOOVER MONTAGUE PLANT	MID006014906		OCCIDENTAL CHEMICAL CORP	DS1 PA1 SI1 HR1 NP1 HR1	06/01/77 03/01/83 06/10/87 09/18/85 09/18/85 10/04/89

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SITE NAME -----	EPA-ID -----	RCRA FLAG	HWDMS NAME -----	EVT ---	EVT DATE ----
JOHNSON CONTROLS GLOBE BATTERY OWOSSO	MID058816927			DS1	07/01/80
				PA1	06/28/85
				PA2	03/09/90
			JOHNSON CONTROLS GLOBE BATTERY OWOSSO	RFA	06/27/86
				SI1	/ /
JOHNSON IRON INDUSTRIES	MID006023022		JOHNSON IRON INDUSTRIES	DS1	07/01/87
				PA1	10/07/88
				SI1	08/16/90
KURDZIEL IRON IND INC	MID006025217		KURDZIEL IRON INDUSTRIES INC OF ROTHBURY	DS1	08/01/80
				PA1	12/16/87
LACKS IND INC	MID080359433			DS1	06/01/80
				PA1	12/01/84
			LACKS INDUSTRIES INC	RFA	01/04/88
				SI1	03/19/86
LACKS INDUSTRIES INC	MID006014666			DS1	06/01/80
				PA1	03/01/83
			LACKS INDUSTRIES INC	RFA	12/29/86
				SI1	08/01/84
				HR1	08/01/84
				NP1	10/15/84
				NR1	10/04/89
LAKE STATES WOOD PRESERVING	MID990687964			DS1	01/01/73
				PA1	07/01/84
				PA2	02/07/90
			LAKE STATES WOOD PRESERVING	RFA	09/25/87
LAMINA INC LAMINA BRONZE PROD DIV	MID006017966			DS1	12/01/79
				PA1	07/01/84
			LAMINA INC LAMINA BRONZE PROD DIV	RFA	03/30/87
				SI1	02/01/85
MCLOUTH STEEL CORP	MID017422304			DS1	12/01/79
				PA1	11/09/87
				PA2	02/07/90
			MCLOUTH STEEL PRODUCTS TRENTON	RFA	09/25/86
MICHIGAN STATE UNIV	MID053343976			DS1	06/01/84
				PA1	07/01/84
			MICHIGAN STATE UNIVERSITY	RFA	10/11/85
MONSANTO CO	MID009708678		MONSANTO CO	DS1	04/01/79

U.S. ENVIRONMENTAL PROTECTION AGENCY
COMPARISON REPORT - CERCLIS TO HWDMS
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SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
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MONSANTO CO	MID009708678			PA1 03/01/83
N-S NILES LAKE STREET PLT	MIT270010549		NATIONAL STANDARD NILES LAKE ST PLT	DS1 08/01/80 PA1 09/21/87 RFA 02/04/86
NELSON IND SERV	MID098011992		CYANOKEM	DS1 04/01/79 PA1 12/10/85 RFA 10/25/85 SI1 / /
ORGANIC CHEM INC	MID990858003		ORGANIC CHEMICALS INC	DS1 04/01/79 PA1 01/01/83 RFA 04/05/89 SI1 09/01/82 HR1 11/01/82 NP1 12/30/82 NF1 09/08/83
PARKER SURFACE TREATMENT	MID058723867		HENKEL CORP PARKER AND AMCHEN	DS1 06/30/85 PA1 10/04/85 PA2 02/07/90 SI1 / /
PENNWALT CORP	MID005363114		ATOCHEM NORTH AMERICA INC	DS1 04/01/79 PA1 05/01/83 RFA 07/18/88 SI1 10/01/83 HR1 11/01/83
PRESTOLITE WIRE CORP PORT HURON	MID005359294		PORT HURON PRESTOLITE WIRE CORP	DS1 02/12/87 PA1 10/05/88
PRODUCTION PLATED PLASTICS INC (SIA)	MID047153077		PRODUCTION PLATED PLASTICS INC	DS1 09/18/84 PA1 09/18/85 PA2 06/27/90 RFA 11/30/85 SI1 / /
QUANEX CORP	MID082767591		QUANEX CORP MICHIGAN SEAMLESS	DS1 12/31/85 PA1 11/25/87
REICHHOLD CHEM INC	MID020087128		REICHHOLD CHEMICALS INC	DS1 08/01/80 PA1 01/01/83 SI1 12/01/83 HR1 12/01/83
ROBERTS CONSOLIDATED IND INC	MID005342134		STREBOR INC	DS1 08/01/80

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SITE NAME -----	EPA-ID -----	RCRA FLAG	HWDM'S NAME -----	EVT ---	DATE ----
ROBERTS CONSOLIDATED IND INC	MID005342134			PA1	05/14/86
				PA2	09/05/90
SALCO INDUSTRIAL SERV	MID000722728		SALCO CORP DBA CIS	DS1	10/28/85
				PA1	12/10/85
				PA2	02/07/90
				SI1	/ /
SELFRIIDGE AIR NATIONAL GUARD ANGB	MID099113128		SELFRIIDGE AIR NATIONAL GUARD ANGB	DS1	08/01/80
				PA1	12/01/87
SHELLER-GLOBE CORP NILES DIV	MID082859315		SHELLER-GLOBE CORP NILES DIV	DS1	08/01/80
				PA1	09/18/85
				SI1	09/30/86
				HR1	12/08/86
STANLEY WKS STANLEY TOOLS DIV	MID099124299		STANLEY WORKS STANLEY TOOLS DIV	DS1	07/01/80
				PA1	06/01/83
				RFA	02/04/86
				SI1	09/01/84
				HR1	03/12/86
STAUFFER CHEM CO	MID005039458		AKZO CHEMICALS INC	DS1	04/01/79
				PA1	04/01/83
				SI1	09/01/84
SWS SILICONES CORP	MID075400671		SWS SILICONES CORP	DS1	04/01/79
				PA1	04/01/83
				RFA	04/25/89
				SI1	09/01/84
SYSTECH LIQUID TRMT CORP	MID072585755		TRICIL ENVIRONMENTAL SERVICES	DS1	04/01/79
				PA1	04/01/83
				SI1	01/01/84
				HR1	01/01/84
TELEDYNE CONTINENTAL MOTORS GEN PROD DIV	MID006407597		TELEDYNE CONTINENTAL MOTORS GEN PROD DIV	DS1	08/01/80
				PA1	04/22/85
				PA2	03/09/90
				SI1	/ /
TOTAL PETROLEUM ALMA REF	MID005358130		TOTAL PETROLEUM INC ALMA REFINERY	DS1	08/01/80
				PA1	10/04/85
				PA2	10/30/90
				RFA	06/10/87
				SI1	/ /
TOTAL PIPELINE CORP CRYSTAL STA	MID000780406			DS1	08/01/80

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SITE NAME	EPA-ID	RCRA FLAG	HWOMS NAME	EVT DATE
TOTAL PIPELINE CORP CRYSTAL STA	MID000780486		TOTAL PIPELINE CORP CRYSTAL STATION	PA1 06/01/83 SI1 12/01/84 HR1 12/01/84
UPJOHN CO THE	MID000820381		UPJOHN CO THE	DS1 08/01/80 PA1 07/01/83 PA2 05/22/90 RFA 07/14/87 SI1 / /
US AIR FORCE K I SAWYER AFB	MI0571924760		US AIR FORCE K I SAWYER AFB	DS1 08/01/80 PA1 07/01/83
US AIR FORCE WURTSMITH AFB	MI5570024278		US AIR FORCE WURTSMITH AFB	DS1 08/01/80 PA1 01/01/85 SI1 / /
US ARMY TANK AUTOMOTIVE COMMAND	MI5210022781		US ARMY TANK AUTOMOTIVE COMMAND	DS1 08/01/80 PA1 12/11/87
US CHEMICAL CO INC	MID006523385		US CHEMICAL CO INC	DS1 01/15/88 PA1 01/06/89 RFA 04/26/89
WASTE ACID SERV	MID074259565		DYNECOL INC	DS1 04/01/79 PA1 06/01/83 RFA 02/07/89
WAYNE DISPOSAL INC SITE #2	MID048090633		WAYNE DISPOSAL INC SITE #2	DS1 04/01/79 PA1 01/01/83 RFA 02/14/86 SI1 08/01/83 HR1 08/01/83
WHIRLPOOL CORP ST JOSEPH DIV PLT 3-6	MID005477773		WHIRLPOOL CORP ST JOSEPH DIV PLT 3-6	DS1 08/01/80 PA1 09/21/87
WOODLAND MEADOWS LDFL NORTH	MID000810408		WOODLAND MEADOWS LDFL NORTH	DS1 08/01/80 PA1 06/01/83

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FOR REGION: 05 AND STATE: MN

SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMS NAME -----	EVT EVT ---	DATE DATE ----
ASHLAND CHEM CO	MND000686709			DS1	08/01/80
			ASHLAND CHEMICAL CO	PA1	02/01/85
				RFA	07/10/90
BURLINGTON NORTHERN	MND000686196			DS1	08/01/79
			BURLINGTON NORTHERN TIE PLANT	PA1	02/01/83
				RFA	05/29/86
				SI1	08/01/82
				HR1	08/01/82
				NP1	07/16/82
				NF1	09/08/83
HONEYWELL INC	MND000819284		HONEYWELL INC	DS1	09/01/82
				PA1	08/01/84
				PA2	02/07/90
IBM INTL BUS MCHS CORP	MND006161756			DS1	08/01/80
				PA1	03/01/84
				PA2	02/07/90
			IBM INTL BUSINESS MACHINES CORP	RFA	11/12/87
				RFI	06/27/89
KOCH REF CO	MND000686071			DS1	08/01/79
			KOCH REFINING CO	PA1	04/01/83
				RFA	04/01/88
				SI1	08/01/84
				HR1	08/01/84
				NP1	10/15/84
				NF1	06/10/86
MCLAUGHLIN GORMLEY KING CO (MGK)	MND980501134		MCLAUGHLIN GORMLEY KING CO	DS1	05/01/81
				PA1	02/01/85
				PA2	02/07/90
NAVAL INDUSTRIAL RESERVE ORDNANCE PLANT	MN3170022914		US NAVY NAVAL SEA SYS COM-FMC NORTHN ORD	DS1	04/01/84
				PA1	03/15/85
				SI1	07/14/89
				NP1	07/14/89
				NF1	11/24/89
NEW BRIGHTON / ARDEN HILLS	MN7213820908			DS1	08/01/80
				PA1	04/01/83
			US ARMY TWIN CITIES ARMY AMMO PLT	RFA	07/06/87
				SI1	07/01/82
				SI2	03/02/88
				HR1	08/01/82

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FOR REGION: 05 AND STATE: MN

SITE NAME	EPA-ID	RCRA FLAG	HWOMS NAME	EVT DATE
NEW BRIGHTON / ARDEN HILLS	MN7213820908			NP1 07/16/82 NF1 09/08/83
ROGERS PETRO CHEM INC	MND086113826		ROGERS PETRO CHEM INC	DS1 11/01/80 PA1 08/14/85
ST REGIS PAPER CO	MND057597940			DS1 08/01/79 PA1 12/01/83 SI1 09/01/83 HR1 09/01/83 NP1 09/08/83 NF1 09/21/84
			CHAMPION INTERNATIONAL CORP	
WHITTAKER CORP	MND006252233			DS1 08/01/80 PA1 10/01/81 SI1 05/01/83 HR1 09/01/83 NP1 09/08/83 NF1 09/21/84
			WHITTAKER CORP MNPLS COATINGS & CHEM DIV	
3M CHEMOLITE	MND006172969			DS1 08/01/80 PA1 02/01/84 PA2 03/05/90 RFA 05/24/87
			3M CHEMOLITE	

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 FOR REGION: 05 AND STATE: OH

SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMs NAME -----	EVT ---	EVT DATE ----
AEROSOL SYSTEMS INC	OHD050387802		AEROSOL SYSTEMS INC	DS1 PA1	08/01/80 08/01/84
ALCHEM TRON INC (GSX CHEM SER OF OH)	OHD980569438		GSX CHEMICAL SERVICES OF OHIO INC	DS1 PA1 RFA	04/15/88 04/07/89 03/31/87
ALCHEM-TRON INC	OHD077786309		LAIDLAW ENVIRONMENTAL SERVICES	DS1 PA1 RFA	04/01/79 09/06/85 09/21/89
ALLIED CHEM & IRONTON COKE	OHD043730217		ALLIED SIGNAL INC	DS1 PA1 SI1 HR1 NP1 NF1	04/01/79 04/01/83 02/01/81 11/01/82 12/30/82 09/08/83
ALSIDE INC SUB OF US STEEL CORP	OHD004163549		ASSOCIATED MATERIALS INC ALSIDE DIV	DS1 PA1 SI1	07/01/80 07/01/84 / /
AMERICAN CYANAMID CO	OHD005044128		AMERICAN CYANAMID CO	DS1 PA1	04/01/79 08/01/84
AMERICAN CYANAMID MARIETTA PLT	OHD004341509		AMERICAN CYANAMID MARIETTA PLT	DS1 PA1 RFA SI1 SI2	04/01/79 02/01/83 05/21/86 12/01/83 01/28/91
AMERICAN METALS CORP	OHD004528873		AMERICAN METALS CORP	DS1 PA1 RFA	08/01/80 04/01/83 12/29/87
AMERICAN STEEL & WIRE TOW PLANT	OHD000821496	Y	AMERICAN STEEL AND WIRE CORP	DS1	01/11/91
AMERICAN STEEL FOUNDRIES	OHD017497587		AMERICAN STEEL FOUNDRIES	DS1 PA1	12/23/85 12/31/85
ASHLAND CHEM CO OLD PLT	OHD000723973		ASHLAND CHEMICAL CO	DS1 PA1 PA2	11/01/84 12/01/84 03/28/90
ASHLAND CHEMICAL CO	OHD000816736		ASHLAND CHEMICAL COMPANY	DS1 PA1	01/15/88 01/06/89

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT	EVT DATE
ASHLAND CHEMICAL CO	OHD002899912		ASHLAND CHEMICAL COMPANY	DS1	01/15/88
	OHD074700311		ASHLAND CHEMICAL CO	PA1	01/09/89
	OHD080166002		ASHLAND CHEMICAL INC	DS1	01/15/88
				PA1	01/09/89
ASHLAND CO LDFL	OHD980509491		ASHLAND CO LDFL	DS1	04/01/79
				PA1	09/25/85
				PA2	03/28/90
AUSTIN POWDER CO LDFL	OHD004293775		AUSTIN POWDER CO RED DIAMOND PLANT	DS1	06/27/88
				PA1	10/24/88
				PA2	02/07/90
BECHTEL-MCLAUGHLIN INC (SIA)	OHD004182614			DS1	09/25/84
				PA1	09/25/85
				PA2	03/28/90
			BECHTEL-MCLAUGHLIN INC	RFA	12/11/87
BROWNING FERRIS IND OF OHIO	OHD980795264			DS1	03/17/88
				PA1	10/24/88
			BROWNING-FERRIS IND OF OHIO INC	RFA	09/10/86
BRUSH WELLMAN INC	OHD004212999			DS1	10/01/80
				PA1	03/13/85
				PA2	03/28/90
			BRUSH WELLMAN INC	RFA	09/30/87
				SI1	/ /
BY-PRODUCTS MANAGEMENT OF OHIO	OHD000724088		EAGLEBROOK OF OHIO INC	DS1	01/15/88
				PA1	01/06/89
CATALYST RESOURCES, INC ELYRIA PLT	OHD046202602			DS1	07/01/80
				PA1	08/01/84
			CATALYST RESOURCES/DART INDUSTRIES INC	RFA	09/29/86
CECOS INTL INC	OHD000816629		CECOS INTL INC	DS1	01/15/88
				PA1	01/09/89
CHEM MASTERS CORP	OHD004203675		CHEM-MASTERS CORP	DS1	09/01/80
				PA1	06/14/85
				SI1	09/30/86
CHEM-CLEAR INC	OHD000724153			DS1	01/15/88
				PA1	01/06/89
			CLEAN HARBORS	RFA	09/28/90

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SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWOMS NAME -----	EVT ---	EVT DATE ----
CHEMICAL SOLVENTS INC	OHD052937885		CHEMICAL SOLVENTS INC	DS1 PA1	06/01/80 09/06/85
CHEMICAL SOLVENTS INC CSI RECYCLING DIV	OHD980897656		CHEMICAL SOLVENTS INC	DS1 PA1	09/06/85 09/06/85
CHEMTRON CORP	OHD066060609		CHEMTRON CORP	DS1 PA1 RFA	09/01/80 08/01/84 02/27/87
CLARK OIL PROD INC	OHD004274031		CLARK OIL PROD INC	DS1 PA1 RFA	04/01/79 11/05/85 09/29/89
CLERMONT ENVIRONMENTAL RECLAMATION CO	OHD087433744		CECOS INTL INC	DS1 PA1 RFA	04/01/79 10/27/87 12/29/86
CLOW WATER SYSTEMS CORP	OHD004294849		CLOW WATER SYSTEMS COMPANY	DS1 PA1 PA2 RFA	09/05/86 09/08/86 08/20/90 06/26/87
COLUMBUS STEEL DRUM	OHD004291654		COLUMBUS STEEL DRUM COMPANY	DS1 PA1	02/03/89 03/12/90
COMMERICAL OIL SERV INC	OHD000816843		COMMERCIAL OIL SERVICE INC	DS1 PA1 PA2	09/19/85 09/25/85 03/28/90
COZARTS LDFL	OHD980509848		COZART LANDFILL	DS1 PA1 RFA	03/01/80 09/01/84 07/03/89
DA-LITE SCREEN COMPANY, INC.	OHD076777788	Y	DA-LITE SCREEN CO INC/3M CO BLUE ASH CAR	DS1	01/11/91
DANA CORP WEATHERHEAD DIV	OHD005039730		DANA CORP WEATHERHEAD DIV	DS1 PA1 RFA SI1	08/01/80 09/24/85 03/29/89 / /
DETREX CHEM IND INC	OHD004165924		DETREX CHEM IND INC	DS1 PA1 RFA	11/01/80 05/01/83 10/09/86
DETREX CHEMICAL	OHD080158702		DETREX CHEMICAL INDUSTRIES INC	DS1	10/21/89

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SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT EVT DATE
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DETREX CHEMICAL	OHD080158702			PA1 03/22/90
DIAMOND SHAMROCK CORP ASHTABULA SEMI MKS	OHD003913308			DS1 04/01/79 PA1 02/01/84 PA2 03/28/90 RFA 09/29/89
			OCCIDENTAL CHEMICAL CORP	
DICE DECAL CORP	OHD004468609			DS1 11/01/80 PA1 02/01/83 RFA 09/10/86 SI1 09/01/84
			GRADY-MCCAULY CREATIVE GRAPHICS	
DU PONT E I DE NEMOURS & CO	OHD004287322		DU PONT E I DE NEMOURS & CO	DS1 04/01/79 PA1 08/01/84
EMPIRE-DETROIT STEEL DIV ACID DEEP WELL	OHD004157418			DS1 06/01/81 PA1 09/25/85 RFA 04/25/90 SI1 09/30/88
			CYCLOPS CORP EMPIRE-DETROIT STEEL DIV	
ENVIRITE CORP	OHD980568992		ENVIRITE CORP	DS1 01/15/88 PA1 01/06/89
ENVIRONMENTAL ENTERPRISES INC	OHD083377010			DS1 01/15/88 PA1 01/09/89 RFA 09/24/90
			ENVIRONMENTAL ENTERPRISES INCORPORATED	
ENVIRONMENTAL PROCESSING SERVICES	OHD000608588		ENVIRONMENTAL PROCESSING SERVICES	DS1 01/15/88 PA1 01/09/89
ERIEWAY POLLUTION CONTROL INC	OHD055522429			DS1 04/01/79 PA1 04/01/83 RFA 06/08/87 SI1 09/01/83 HR1 09/01/83
			ERIEWAY INCORPORATED	
EVERGREEN LDFL	OHD068111327		EVERGREEN LANDFILL	DS1 04/01/79 PA1 12/18/87
FEED MATERIALS PRODUCTION CTR	OHD6890008976			DS1 01/01/81 PA1 12/18/87 RFA 11/24/86 SI1 07/14/89 NP1 07/14/89 NF1 11/24/89
			US DOE FEED MATERIALS PRODUCTION CTR	
FONDESSY ENTERPRISES INC	OHD045243706			DS1 04/01/79

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SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
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FONDESSY ENTERPRISES INC	OHD0045243706		ENVIROSAFE SER OTTER CREEK RD	PA1 12/05/85 PA2 08/27/90 RFA 12/15/87
GARFIELD ALLOYS	OHD004201992		GARFIELD ALLOY INC	DS1 07/27/84 PA1 09/01/84 SI1 09/06/85 HR1 09/29/85
GENERAL ELECTRIC CO AIRCRAFT ENGINE	OHD000817312		GENERAL ELECTRIC CO AIRCRAFT ENGINE	DS1 08/01/80 PA1 03/01/83 PA2 07/02/90 RFA 09/26/89 SI1 / /
GENERAL ELECTRIC CO COSHOCTON PLT	OHD004302428		GENERAL ELECTRIC CO COSHOCTON PLT	DS1 04/01/79 PA1 04/01/83 SI1 08/01/84 HR1 08/01/84 NP1 10/15/84 NR1 10/04/89
GENERAL MOTORS CORP	OHD001880442		GMC NEW DEPARTURE HYATT SANDUSKY OHIO	DS1 11/11/88
GENERAL PORTLAND INC PAULDING PLT	OHD005048947		SYSTECH ENVIRONMENTAL CORP	DS1 08/01/80 PA1 09/01/84
GMC FISHER BODY DIV ELYRIA PLT	OHD004201091		GMC FISHER BODY DIV ELYRIA PLT	DS1 08/01/80 PA1 09/01/84 RFA 08/27/87
GMC HARRISON RADIATOR DIV S PLT	OHD000817577		GMC HARRISON RADIATOR DIV SOUTH PLANT	DS1 08/01/80 PA1 03/01/83 RFA 12/29/86
GMC PACKARD ELEC DIV	OHD000817346		GMC PACKARD ELEC DIV	DS1 08/01/80 PA1 08/01/84 PA2 03/28/90 RFA 08/10/87
GOODYEAR AEROSPACE CORP	OHD004163275		LORAL CORPORATION	DS1 08/01/80 PA1 03/01/83 SI1 / /
GRANVILLE SOLVENTS INC	OHD004495412		GRANVILLE SOLVENTS INC	DS1 08/01/80 PA1 09/24/85
GULF OIL CO US	OHD004254132			DS1 07/01/80

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SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMS NAME -----	EVT ---	DATE ----
GULF OIL CO US	OHD004254132		CHEVRON USA INC CINCINNATI REFINERY	PA1	09/21/87
				RFA	05/21/86
HARRISON ENTERPRISES INC	OHD041082025		HARRISON ENTERPRISES INC	DS1	07/01/80
				PA1	03/25/86
HARSHAW CHEM CO	OHD004203519		ENGELHARD CORP	DS1	04/01/79
				PA1	04/01/83
				RFA	09/26/89
				SI1	09/01/83
				HR1	09/01/83
HOBART CORP	OHD004236907		HOBART CORP	DS1	10/01/80
				PA1	06/12/87
				RFA	09/26/89
HOOKER CHEM & PLASTICS CORP	OHD990747859		OCCIDENTAL CHEMICAL CORP	DS1	04/01/79
				PA1	09/25/85
				PA2	03/28/90
HOOVER CO PLT 1	OHD004462131		HOOVER CO PLT 1	DS1	08/01/80
				PA1	03/13/85
				PA2	03/28/90
HUKILL CHEM CORP	OHD001926740		HUKILL CHEM CORP	DS1	08/01/80
				PA1	03/13/85
				SI1	/ /
HULL PROP	OHD004296430		HULL POTTERY CO	DS1	05/07/86
				PA1	05/07/86
				PA2	07/30/87
				RFA	03/30/89
				SI1	/ /
IRONTON COKE CORP	OHD082739632		IRONTON COKE CORP	DS1	04/01/79
				PA1	04/01/83
				RFA	09/19/86
				SI1	09/01/83
				HR1	09/01/83
JONES & LAUGHLIN STEEL CLEVELAND WKS	OHD046203774		LTV STEEL CO CLEVELAND WEST	DS1	08/01/80
				PA1	06/01/83
				RFA	09/26/89
				SI1	09/01/84
				HR1	07/28/86
KOPPERS CO	OHD000817114			DS1	12/12/88

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SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
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KOPPERS CO	OHD000817114		KOPPERS COMPANY INC	RFA 09/28/87
KOPPERS CO INC YOUNGSTOWN PLT	OHD004198784		KOPPERS CO INC	DS1 04/01/79 PA1 12/01/84 RFA 09/09/86
LIBERTY SOLVENT & CHEM CO INC	OHD052324548		LIBERTY SOLVENT & CHEM CO INC	DS1 07/01/80 PA1 08/01/84 RFA 09/29/89
MANSFIELD PROD CO	OHD000723601		MANSFIELD PRODUCTS CO	DS1 08/01/80 PA1 03/13/85 SI1 / /
MASTER METALS INC	OHD097613871		MASTER METALS INC	DS1 08/01/80 PA1 09/01/84 RFA 03/27/87
MERCURY STAINLESS	OHD0990834129		MERCURY STAINLESS STEEL	DS1 11/15/89 PA1 04/11/90
MOBIL CHEMICAL CO	OHD071267090		ALBRIGHT & WILSON INC FERNALD PLANT	DS1 04/01/79 PA1 12/07/87 PA2 06/04/90
MOBILE TANK CAR SERV	OHD000720227		MOBILE TANK CAR SERV	DS1 08/01/80 PA1 12/01/84 SI1 10/29/87 HR1 10/29/87
MONSANTO CO	OHD004233003		MONSANTO CO	DS1 10/27/86 PA1 10/27/87 RFA 09/29/89
MONSANTO RESEARCH CORP	OHD004855292		MONSANTO COMPANY	DS1 08/01/80 PA1 07/30/87 PA2 05/11/90
NEWARK AIR FORCE STA	OH3570024650		US AIR FORCE NEWARK AFB	DS1 03/07/88 PA1 03/07/88
NL IND INC BEARINGS DIV	OHD005051180		NL INDUSTRIES INC BEARINGS DIV	DS1 08/01/80 PA1 09/25/85
OHIO CORRUGATING CO	OHD004470597		OHIO CORRUGATING CO	DS1 07/01/80 PA1 09/01/84
OHIO LIQUID DSPL VICKERY DIV	OHD020273819		CHEMICAL WASTE MANAGEMENT	DS1 04/01/79

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDMS
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: OH

SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
OHIO LIQUID DSPL VICKERY DIV	OHD0020273819			PA1 12/18/87
OWENS-CORNING FIBERGLAS TECH CTR	OHD039992516		OWENS -CORNING FIBERGLAS TECH CTR	DS1 08/01/80 PA1 06/14/85
PARKER HANNIFIN CORP MOBIL HYD DIV	OHD046426409		PARKER HANNIFIN CORP MOBIL HYD DIV	DS1 08/01/80 PA1 09/01/84 RFA 09/08/89 SI1 / /
PPG IND INC	OHD004198917		PPG INDUSTRIES INC	DS1 08/01/80 PA1 02/01/83 RFA 12/15/89 SI1 08/01/84 HR1 08/01/84 DS1 04/01/79 PA1 08/01/84 RFA 09/11/89
PPG IND INC	OHD004347308		PPG INDUSTRIES INC	DS1 04/01/79 PA1 01/01/83 SI1 08/01/82 HR1 08/01/82 NP1 12/30/82 NF1 09/08/83
PRISTINE INC	OHD076773712		PRISTINE INC	DS1 12/29/88 PA1 03/30/89
QUEEN CITY BARREL CO.	OHD004477634		QUEEN CITY BARREL CO	DS1 08/01/80 PA1 09/01/84 PA2 02/07/90 RFA 09/27/88
REILLY TAR & CHEM CORP	OHD083320945		REILLY TAR AND CHEMICAL CORP	DS1 02/25/88
RELIABLE PLATING CO	OHD063701841		RELIABLE PLATING CO	DS1 08/01/80 PA1 06/01/83 RFA 06/11/87 SI1 12/01/83 HR1 12/01/83
REPUBLIC STEEL CENTRAL ALLOY CANTON	OHD004228003		REPUBLIC ENGINEERED STEELS INC	DS1 08/01/80 PA1 08/01/84 PA2 04/25/90
REPUBLIC STEEL CORP CLEVELAND DIST	OHD004218673		LTV STEEL CO CLEVE EAST	DS1 08/01/80
REPUBLIC STEEL MAHONING VALLEY WARREN	OHD060409521			

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWOMS
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 FOR REGION: 05 AND STATE: OH

SITE NAME	EPA-ID	RCRA FLAG	HWOMS NAME	EVT	DATE
REPUBLIC STEEL MAHONING VALLEY WARREN	OHD060409521		WARREN CONSOLIDATED INDUSTRIES	PA1	09/01/84
				RFA	09/26/89
RESEARCH OIL CO PLT 1	OHD004178612		RESEARCH OIL CO	DS1	01/15/88
				PA1	01/06/89
RICHLAND CO LDFL	OHD000384248			DS1	04/01/79
				PA1	01/01/84
			RICHLAND COUNTY LANDFILL	PA2	03/28/90
				RFA	10/26/88
RMI EXTRUSION	OHD980683544			DS1	09/17/85
				PA1	09/17/85
				PA2	03/28/90
			RMI TITANIUM COMPANY	RFA	12/18/86
				RFI	08/06/90
RMI SODIUM	OHD000810242			DS1	08/01/80
				PA1	08/20/85
			RMI CO SODIUM PLT	RFA	05/21/86
ROSS INCINERATION SERV INC	OHD048415665			DS1	04/01/79
				PA1	07/01/84
			ROSS INCINERATION SERVICES INC	RFA	07/21/87
				SI1	09/06/85
				HR1	07/24/86
SAFETY-KLEEN CORP	OHD9A0587364		SAFETY KLEEN CORP	DS1	01/15/88
				PA1	01/06/89
SAMSEL SERVICE CO	OHD017831488			DS1	01/15/88
				PA1	01/06/89
			SAMSEL SERVICE CO	RFA	06/30/90
SCIO POTTERY CO	OHD004465084			DS1	06/20/86
				PA1	07/15/86
			SCIO POTTERY CO	RFA	06/30/87
SCOTT O M & SONS CO	OHD990834483			DS1	08/01/80
				PA1	09/01/84
			SCOTT OM AND SONS CO	RFA	09/09/86
				SI1	09/24/85
				HR1	12/08/86
SHELL CHEM CO MARIETTA PLT	OHD004343117			DS1	04/01/79
				PA1	12/01/84
			SHELL CHEMICAL CO	RFA	09/26/89

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDMS
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 FOR REGION: 05 AND STATE: OH

SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
SHELL CHEM CO MARIETTA PLT	OHD004343117			SI1 / /
SOLVENT RESOURCE RECOVERY INC	OHD093945293		CWM RESOURCE RECOVERY INC	DS1 08/01/80 PA1 09/24/85 RFA 02/21/90
SOUTHERN WOOD PIEDMONT CO WAVERLY PLT	OHD089431001		SOUTHERN WOOD PIEDMONT WAVERLY	DS1 06/20/86 PA1 07/15/86 RFA 03/30/87
STANDARD OIL CO (OHIO)	OHD005057542		BP TOLEDO	DS1 08/01/80 PA1 12/01/84 RFA 06/08/88
STANDARD OIL CO OHIO	OHD005051826		BP OIL-LIMA REFINERY	DS1 08/01/80 PA1 09/25/85 PA2 02/07/90 RFA 09/01/85
STERLING DRUG-HILTON-DAVIS CHEM CO	OHD004240313		HILTON DAVIS CO	DS1 08/01/80 PA1 03/01/83 PA2 08/13/90 RFA 05/21/86 SI1 / /
THOMAS STEEL STRIP CORP	OHD077755213		THOMAS STEEL STRIP CORP	DS1 03/01/80 PA1 09/01/84 RFA 09/19/86
TIMKEN CO THE STEEL DIV	OHD004465100		TIMKEN CO THE STEEL DIV	DS1 08/01/80 PA1 06/28/85 PA2 08/13/90 RFA 09/28/89 SI1 / /
UNION CAMP CORP	OHD004209094		UNION CAMP CORP	DS1 08/01/80 PA1 12/01/84 RFA 09/27/89 SI1 / /
UNION CARBIDE CORP LINDE WELDING MATLS	OHD000821454		L TEC WELDING AND CUTTING SYSTEMS INC	DS1 04/01/79 PA1 09/17/85 PA2 08/13/90 RFA 01/26/89
US ARMY RAVENNA ARMY AMMUNITION PLT	OH5210020736			DS1 08/01/80 PA1 06/14/85

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDMs
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: OH

SITE NAME -----	EPA-ID -----	RCRA FLAG ----	HWDMs NAME -----	EVT EVT ---	DATE DATE ----
US ARMY RAVENNA ARMY AMMUNITION PLT	OH5210020736		US ARMY RAVENNA ARMY AMMUNITION PLT	RFA	09/29/89
US DOD DEFENSE CONSTRUCTION SUPPLY CTR	OH6210020222		US DOD DEFENSE CONSTRUCTION SUPPLY CTR	DS1 PA1 RFA	08/01/80 09/01/84 12/29/89
US DOE MOUND FACIL	OH6890008984		US DOE MOUND FACILITY	DS1 PA1 RFA SI1 HR1 NP1 NF1	11/01/80 03/25/86 04/14/88 07/14/89 07/14/89 07/14/89 11/24/89
US DOE PORTSMOUTH GASEOUS DIFFUSION PLT	OH7890008983		US DOE PORTSMOUTH GASEOUS DEFUSION PLANT	DS1 PA1 RFA	01/01/81 07/30/87 09/22/86
US NAVY NAVEP WEAPONS IND RESERVE PLT	OH1170090004		US AIR FORCE PLT 85 MCDON DOUG	DS1 PA1 RFA	08/01/80 05/01/83 09/28/89
US STEEL CORP LORAIN PLT	OH0004222030		USS KOBE STEEL CO	DS1 PA1 PA2 RFA SI1 HR1	08/01/80 01/01/83 02/21/91 09/09/86 06/23/86 08/13/86
USAF WRIGHT PATTERSON BASE	OH7571724312		US AIR FORCE WRIGHT PATTERSON AFB	DS1 PA1 SI1 HR1 NP1 NF1	08/01/80 06/04/87 06/24/88 06/24/88 06/24/88 10/04/89
USS CHEM	OH0005108477		ARISTECH CHEM CORP HAVERHILL PLT	DS1 PA1 RFA	04/01/79 06/11/85 01/09/89
VISTRON CORP	OH0042157644		BP CHEMICALS INC	DS1 PA1 RFA	08/01/80 09/01/84 09/22/87
WELLMAN S K CORP	OH0055829022			DS1 PA1 PA2	08/01/80 03/18/85 08/27/90

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWOMS
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
 FOR REGION: 05 AND STATE: OH

SITE NAME	EPA-ID	RCRA FLAG	HWOMS NAME	EVT DATE
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WELLMAN S K CORP	OH0055829022		EGBERT CORP	RFA 03/31/87

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWOMS
 IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
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SITE NAME -----	EPA-ID -----	RCRA FLAG	HWOMS NAME -----	EVT ---	EVT DATE ----
ALDRICH CHEM CO INC	WID006113906		ALDRICH CHEMICAL COMPANY INC	DS1	08/01/80
				PA1	09/17/85
				SI1	09/27/85
				HR1	08/01/86
ANSUL CO, DIV OF WORMALD US INC	WID006125215			DS1	08/01/80
				PA1	02/01/84
			WORMALD US INC ANSUL FIRE PROTECTION DIV	RFA	09/28/90
				SI1	12/27/85
				HR1	10/20/87
AVGANICS INC	WID000808824			DS1	06/01/83
				PA1	01/01/85
			AVGANICS INC	RFA	03/31/88
				SI1	06/01/83
				HR1	06/01/83
CURWOOD INC	WID006144737			DS1	08/01/80
				PA1	11/01/83
			CURWOOD INC	RFA	08/12/85
				SI1	09/01/84
				HR1	12/08/86
FREEMAN CHEM CORP	WID980615439			DS1	01/01/79
				PA1	07/01/84
			FREEMAN CHEMICAL CORP	RFA	06/06/86
				SI1	12/01/84
				HR1	06/25/85
HOPKINS AGRICULTURAL CHEM CO	WID006075352			DS1	01/01/81
				PA1	01/01/84
			HACCO INC	RFA	06/30/89
				SI1	09/26/85
				HR1	12/08/86
JANESVILLE ASH BEDS	WID000712950			DS1	05/01/83
				PA1	05/01/83
			JANESVILLE CITY OF FILTRATION BEDS	RFA	09/30/86
				SI1	05/01/83
				RFI	07/24/89
				HP1	09/01/83
				NP1	09/08/83
				NF1	09/21/84
JOHNSON S C & SON INC	WID006091425			DS1	08/01/80
				PA1	02/01/84

U.S. ENVIRONMENTAL PROTECTION AGENCY
 COMPARISON REPORT - CERCLIS TO HWDMs
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 FOR REGION: 05 AND STATE: WI

SITE NAME	EPA-ID	RCRA FLAG	HWDMs NAME	EVT DATE
JOHNSON S C & SON INC	WID006091425		JOHNSON S C AND SON INC	RFA 02/24/87 SI1 09/24/85
KOHLER CO LDFL	WID006073225		KOHLER CO	DS1 08/01/80 PA1 05/01/83 SI1 05/01/83 HR1 09/01/83 NP1 09/08/83 NF1 09/21/84
KOPPERS CO SUPERIOR PLT	WID006179493		KOPPERS INDUSTRIES INC	DS1 04/01/79 PA1 05/01/83 RFA 09/30/87 SI1 06/10/87
LAND RECLAMATION LDFL OAKS LDFL	WID076171008		LAND RECLAMATION LTD	DS1 08/01/80 PA1 05/01/83 RFA 03/17/87 SI1 09/05/85 HR1 09/08/86
METRO LDFL & DEV PROJ	WID098547854		METRO LANDFILL & DEVELOPMENT PROJECT	DS1 04/01/79 PA1 01/01/85 RFA 06/23/88 SI1 01/05/90
OCONOMOWOC ELECTROPLATING CO INC	WID006100275		OCONOMOWOC ELECTROPLATING CO	DS1 05/01/83 PA1 05/01/83 SI1 05/01/83 HR1 09/01/83 NP1 09/08/83 NF1 09/21/84
OMEGA HILLS NORTH LDFL	WID000808568		OMEGA HILLS NORTH LANDFILL	DS1 04/01/79 PA1 05/01/83 SI1 08/01/84 HR1 08/01/84 NP1 09/08/83 NF1 09/21/84
SMITH AO CORP PROPERTY	WID006085815		AO SMITH AUTOMOTIVE PRODUCTS CO	DS1 06/01/81 PA1 02/01/84 SI1 03/13/90
US ARMY BADGER ARMY AMMO PLT	WI9210020054		US ARMY BADGER ARMY AMMO PLT	DS1 04/01/79 PA1 06/01/83 RFA 06/26/87

U.S. ENVIRONMENTAL PROTECTION AGENCY
COMPARISON REPORT - CERCLIS TO HWDMS
IDENTIFIES EVENT INFORMATION FOR SITES THAT EXIST IN BOTH SYSTEMS
FOR REGION: 05 AND STATE: WI

SITE NAME	EPA-ID	RCRA FLAG	HWDMS NAME	EVT DATE
US ARMY BADGER ARMY AMMO PLT	WI9210020054			SI1 / /
US ARMY FORT MCCOY MILITARY RESERVATION	WI3210020563		US ARMY GARRISON FORT MCCOY	DS1 08/01/80 PA1 02/01/84 RFA 10/02/87
VULCAN MTLs CO	WID046536231		VULCAN MATERIALS CO	DS1 08/01/80 PA1 09/01/84 RFA 09/30/87 SI1 03/28/90
WASTE RESEARCH & RCLM CO INC	WID990829475		WASTE RESEARCH & RECLAMATION CO INC	DS1 04/01/79 PA1 05/01/83 RFA 07/21/86 SI1 05/01/83 HR1 09/01/83 NP1 09/08/83 NF1 09/21/84

APPENDIX E

REGION V EPI IMPLEMENTATION AGREEMENT

List of EPI Sites Addressed by Region V RCRA
with RFAs (through FY 1991)

LAND DISPOSAL
9/10/15

ID NUMBER	FACILITY NAME	ADDRESS	CITY	NOTIF DATE	G E N	T R S	T I D C	PART A DATE	P N A S N	P E R
U	IL0005463344	ALLIED CORP	BREWER RD	DANVILLE	80/08/12	1	X X	80/11/17	1 9	5
D	IL0006278170	ALLIED CORP METROPOLIS WORKS	HWY U S 45N	METROPOLIS	80/08/14	1	X	80/11/17	1	2
D	IL0005072517	AMERICAN NICKELOID CO	2900 W MAIN ST	PERU	80/07/15	1	X	80/09/22	1 3	4
D	IL0980503106	AMOCO OIL CO	HIGHWAY 3	WOOD RIVER	80/09/12	1	X	80/11/18	1	1
C	IL0980700937	AMOCO OIL CO WOOD RIVER REFINERY	301 EVANS AVE	WOOD RIVER	80/08/12	1	X X	80/11/18	1	1
D	IL0003667139	PRIGHTON LANDFILL	CRAIG LAKE RD	GRICHTON	80/08/18			80/11/18	1	1
D	IL0980700723	BROWNING FERRIS IND OF ILLINOIS INC	9TH STREET & GREEN BAY RD	ZION	80/08/18	1	X X	80/11/18	1	2
D	IL0042075333	CABOT CORP	RTE 36W	TUSCOLA	80/08/12	2	X X	80/11/14	1	1
D	IL0990795453	CECO CORP	STEPHEN ST & W CECO RD	LEMONT	80/09/18		X	80/11/19	1	1
D	IL0980720751	CECOS INTL INC BFI IND OF IL	US RTE 51 S AND EDISON RD	ROCKFORD	80/03/16		X X	80/11/18	1	1
D	IL0049843909	CHEMETCO INC	RTE 3 AND OLDENBERG RD	HARTFORD	80/09/15	1	X	80/11/17	1	1
D	IL0010294246	CID-LANDFILL	132TH & CALUMET EXPY	CALUMET CITY	80/03/18	1	X X	80/08/20	1	2
D	IL0047028881	COMMONWEALTH EDISON CO KINCAID GEN STA	EAST ON RTE 104	KINCAID	80/03/18	1	X	80/11/18	1 3	4
D	IL0003672121	CUM CHEMICAL SERVICES	11700 S STONY ISLAND AVE	CHICAGO	80/08/18		X	80/11/19	1	A
D	IL0062338694	GENERAL ELECTRIC CO MORRIS OPERATIONS	7555 E COLLINS RD	MORRIS	80/08/18	2	X	80/11/18	1	1
D	IL0005109525	GILBERT & BENNETT MFG CO	126TH & KEDZIE AVE	BLUE ISLAND	80/09/04	1	X	80/11/13	1	4
C	IL0005141551	GMC CENTRAL FOUNDRY DIV	I 74 AND G ST	TILTON	80/04/18	1		80/11/14	3	6
C	IL0006009590	GMC ELECTRO MOTIVE DIV	9301 W 55TH ST	MC COOK	80/09/18	1	X	80/11/18	1	1
D	IL0042671248	INDIAN REFINING CO	1 HAWKLINE ST	LAWRENCEVILLE	80/09/19		X	80/11/13	1	A
D	IL0980503213	INLAND METALS REFINING CO INC	651 EAST 119	CHICAGO	80/09/30			80/11/19		C
D	IL0006282479	JENNISON-WRIGHT CORP TH E	900 W 22ND ST	GRANITE CITY	84/10/02					0
U	IL0003791591	JONES & LAUGHLIN STEEL CORP HENNEPIN WKS	ST RTE 71	HENNEPIN	80/08/19	1	X X	80/11/16	1	1
D	IL0020367561	KERR MCGEE CHEMICAL CORP	FT WASHINGTON AVE	MADISON	80/08/18	1	X X	80/11/14	1 3	4
D	IL0003714281	KEYSTONE GROUP BARTONVILLE PLT	7000 S ADAMS ST	PEORIA	80/08/18	1	X	80/11/18	1 2	4
D	IL0000810507	KING SEELEY THERMOS CO	EAST MURRAY RD	MACOMB	80/09/18		X	80/11/12	1	0
D	IL0990817991	KOPPERS CO INC	HWY 41 S OF GALESBURG	GALESBURG	80/08/18	1	X X	80/11/19	1	1
D	IL0000819946	KOPPERS CO INC CARBONDALE PLT	N MARION ST	CARBONDALE	80/09/18	1	X X	80/11/19	1 3	1
D	IL0006280606	LACLEDE STEEL CO ALTON WORKS	BROADWAY & CUT STS	ALTON	80/08/18	1	X	80/11/18	1	A
D	IL0056623595	LTV STEEL CO CHICAGO DISTRICT	11600 S BURLEY AVE	CHICAGO	80/08/18			80/11/18	1 2	4
D	IL0005476932	MARATHON OIL CO ROBINSON REFINERY	MARATHON AVE	ROBINSON	80/08/18	1	X	80/11/14	1	2
D	IL0005172325	MODERN PLATING CORP PLT 2	731 S HANCOCK	FREEPORT	80/09/11	1	X X	80/11/17	1	1
D	IL0006302702	MONSANTO CO MC KRUMHOLTZ PLT	RTE 3	SAUGET	80/08/19	1	X	80/11/20	1	1
D	IL0062659672	NATIONAL MARINE SERVICE INC	HAWTHORN ST AT MISS RIVER	HARTFORD	80/08/18	1	X	80/11/19	1	1

4. SHELTERS DIV

* D	IL0005263157	NORTHWESTERN STEEL & WIRE CO	121 WALLACE ST	STERLING	80/03/18	1	X	80/11/17	1	2
* D	IL0006271690	OLIN CORP MAIN PLT	427 SHAMROCK ST	EAST ALTON	80/04/18	1	X X	80/11/18	1	2
* D	IL0007305212	PEORIA DISPOSAL CO	4349 SOUTHPORT RD	PEORIA	80/04/18	1	X X	80/11/18	1	2
* D	IL0005141726	PETERSON PURITAN INC	HESELER LN	DANVILLE	80/03/18	1	X	80/11/17	1	1
* D	IL00041539230	PIERCE CHEMICAL CO	3747 N MERIDIAN RD	ROCKFORD	80/04/18	1	X X	80/11/18	1	4
* C	IL0001933714	PVS CHEMICALS INC/ALLIE D CHFM CORP	12260 S CARONCLET AVE	CHICAGO	80/03/12	1		80/11/14	3	6
* D	IL0049296130	QUANTUM CHEMICAL/USI DI VISION	8305 NORTH TABLER ROAD	MORRIS	80/07/24	1	X	80/11/18	1	2
* D	IL0006279360	REILLY TAR & CHEMICAL CORP	19TH & EDWARDSVILLE RD	GRANITE CITY	80/08/15	1	X	80/11/19	1	1
* D	IL00080012305	SHELL OIL CO WOOD RIVER REFINERY	SA 11A AND RTE 111	ROXANA	80/08/18	1	X X	80/11/13	1	1
* D	IL00084339210	SOUTH CENTRAL TERMINAL	US RTE 515	PANA	80/09/09		X			0
* D	IL0000667097	ST LOUIS LEAD RECYCLERS	1500 STATE ST	GRANITE CITY	80/08/18	1	X X	86/07/10	1	4
* D	IL00096731463	TARACORP INDUSTRIES INC	16TH & CLEVELAND AVE	GRANITE CITY	80/08/18	1	X	80/11/13	1	1
* D	IL180010506	TESTOR CORP TME	6515 BUCKBEE ST	ROCKFORD	80/08/07	1	X			0
* D	IL0041518561	TEXACO INC TEXACO USA DIV	2ND AND STATE ST	LOCKPORT	80/08/18	1	X X	80/11/17	1	1
* D	IL0021514211	TRIANGLE METALLURGICAL INC	2720 MISSOURI AVE	GRANITE CITY						0
* D	IL0045063450	U S ECOLOGY INC	3MI SW OF RTE 34	SHEFFIELD	80/03/18		X X	80/11/19		4
* D	IL0041550567	UNION OIL CO OF CALIF CORP HGO REFINERY	135TH ST & NEW AVE	LEHONT	80/03/15	1	X X	80/11/17	1	1
* D	IL7213820460	US ARMY JULIET ARMY AMM O PLT UNIROVAL	6MI S OF ELWOOD OFF RTE 53	JULIET	80/04/15	1	X	80/11/17	1	1
* D	IL0981093428	VAN TRAN ELECTRIC CORP	1505 VAN TRAN AVE	VANDALIA	85/09/24					0
* D	IL0009814673	VELSICOL CHEMICAL CORP	RTE 1 1MI N OF MARSHALL	MARSHALL	80/08/14	1	X X	80/11/19	1	0
* D	IL0074411745	WASTE MANAGEMENT ESL	RTE 1 LARAMAY RD	ELWOOD	80/09/18	1	X	80/11/17	1	2

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ID NUMBER	FACILITY NAME	ADDRESS	CITY	NOTIF DATE	G E N	T T U R S I S D C	PART A DATE	P N A O S N R	P E R
IND016389546	ACE BATTERY INC	1966 BLUFF ROAD	INDIANAPOLIS	80/08/18	1	X X	80/11/19	1	1
IND078911146	ADAMS SAN LOFL	4636 ADAMS CTR RD	FORT WAYNE	80/08/18		X X	80/11/19	1	2
IND006366819	ALCOA WARRICK OPERATION S	HWY 66	NEWBURGH	80/08/15	1	X	80/11/18	1	4
IND072036114	ALLEGHENY LUDLUM STEEL CORP	STATE RD 38W	NEW CASTLE	80/08/07	1	X	80/11/06	1	C
IND081523284	AMERICAN CARCO OF IN DU NEL PROD	S R 52	MORRISTOWN	80/10/09	1		80/04/07	3	6
IND016360265	AMERICAN CHEM SERV INC	420 S COLFAX AVE	GRIFFITH	80/08/15	1	X X	80/11/18	1	1
IND981091515	ANLAND CORP PROP W OF A M GENERAL PLANT	13240 MCKINLEY AVE	MISHAWAKA	85/07/25		X	85/07/25	1	1
IND000810861	AMOCO WHITING REFINERY LAKEFRONT	NE OF 119TH AND FRONT ST	WHITING	80/08/18	1	X X	80/11/18	1	1
IND016520017	ANDERSON CO	402 ROYAL RD	MICHIGAN CITY	80/08/18	1		81/06/11	3 M	6
IND000810903	ARVIN INDUSTRIES INC AU TOMOTIVE	INDUSTRIAL PK	NORTH VERNON	80/08/18	1	X	80/11/17	1	4
IND005070685	AUBURN FOUNDRY LANDFILL	CTY RD 48	AUBURN	85/01/22	1				
IND003913423	BETHLEHEM STEEL CORP BU RNS HARBOR	US RTE 12	WESTCHESTER	80/08/18	1	X X	80/11/17	1	1
IND046107157	BLUE LAKE INC	3023 W MORRIS	INDIANAPOLIS						4
IND052959640	BOHN BEARING DIV	ST RTE 46W	GREENSBURG	80/08/18	1	X	80/11/18	1	4
IND046398780	CARRIAGE INC	210 WABASH ST	MILLERSBURG	85/10/09		X			4
IND087032611	CHRYSLER CORP INDIANAPO LIS FOUNDRY	1100 S TIBBS AVE	INDIANAPOLIS	80/08/18	1		80/11/18	H	4
IND040888992	CONSERVATION CHEM CO	6500 INDUSTRIAL HWY	GARY	80/08/18		X X	80/11/19	1	C
IND980503726	CONTINENTAL STEEL CORP	W MARKLAND AVE	KOKOMO	80/06/25	1	X X	80/11/18	1	C
IND005557244	CORNING INC	AIRPORT RD	BLUFFTON	80/08/18	1	X	80/11/19	1	4
IND006375885	CRADDOCK FURNITURE CORP	1400 W ILLINOIS ST	EVANSVILLE	80/07/31	1	X			4
IND005145784	DA-LITE SCREEN COMPANY INC	STATE ROAD 15 NORTH	WARSAW	80/08/20	2				C
IND003935236	DANA CORP ENGINE PRODUC TS DIV	2153 WILLIAMSBURG PIKE	RICHMOND	80/08/04	1		80/11/19	F	0
IND005480942	DANA CORP WEATHERHEAD D IVISION	203 WEATHERHEAD ST	ANGOLA	80/08/11	1		80/11/12	3 8	6
IND006377048	ELTRA CORP PRESTOLITE B ATTERY DIV	US HWY 41W	VINCENNES	80/08/18	1		80/11/18	3 M	C
IND001647460	EXIDE CORP	555 MOKE AVE	FRANKFORT	80/08/18	1	X	80/11/19	1	5
IND005444104	FEDERATED METALS CORP W HITING	2230 INDIANAPOLIS BLVD	HAMMOND	80/08/18	1	X	80/11/18	1	4
IND079651436	FUSTER WOOD PRODUCTS	HWY 61	WINSLOW	80/08/04	1	X	82/03/22	1	4
IND000780544	FOUR COUNTY LOFL	821 N MICHIGAN	ROCHESTER	80/08/18		X X	80/11/19	1	A
IND005447537	FT WAYNE SPECIALITY ALL OYS DIV	2400 W TAYLOR ST	FORT WAYNE	80/09/18	1	X	80/11/18	1	4
IND077005916	GARY DEVELOPMENT CO INC	479 N CLINE AVE	GARY	80/11/18		X	80/11/18		4
IND054644323	GEWEINHARDT	57882 STATE RD 19S	ELKHART	82/04/26	2				0
IND000717959	GENERAL BATTERY CORP	2601 MT PROSPECT BLVD	MUNCIE	80/08/18	1	X X	81/06/15	1	1
IND058477688	GENERAL HOUSEWARES CORP	1536 BEECH ST	TERRE HAUTE		1	X			0
IND000806836	GMC ALLISON GAS TURBINE PLT 5 AND 8	2001 AND 2355 S TIBBS AVE	INDIANAPOLIS	80/08/18	1	X X	80/11/19	1	1
IND000806877	GMC DELCO REMY DIV	4500 S DELAWARE DR	MUNCIE	80/08/18	1	X X	80/11/19	1	4
IND000715094	GRANT CTY LOFL	IMI E OF I69 ON ST RTE 1	MARION	80/08/18		X	80/11/19	1	1
IND147077770	GS SERVICE CORP	6659 N 450 E	MONTPELIER		2				0
IND005069851	HAMMOND VALVE CORP	1844 SUMMER ST	HAMMOND	81/02/17			85/06/03	3	6
IND040299828	HARGRO FLEXIBLE PACKAGI	U S HWY 31	EDINBURGH	80/08/18	1				0

ID	Company Name	Address	City	Date	Count	Other	Other Date	Count	Other
IND005173471	HARRISON STEEL CASTINGS CO	900 MOUND ST	ATTICA	86/03/03	1			0	
IND984867481	HAYNES INTERNATIONAL INC	2300 W DEFFENBAUGH RD	KOKOMO	80/08/18	1	X X	80/11/17	6	
IND980503890	HERITAGE ENVIRON SERV I NC ILWD	RR NO 1	ROACHDALE	80/09/11		X	80/11/14	1	2
IND093219012	HERITAGE ENVIRONMENTAL SVCS	7901 W MORRIS ST	INDIANAPOLIS	80/07/25	1	X X	80/11/14	1	2
IND980615678	HOSKINS MFG CO	71103 CTY RD 23	NEW PARIS	82/01/25	1				
IND980503775	ILWD LANDFILL	RR 3 BOX 156	COLUMBUS	80/07/25	1	X	80/11/14	4	
IND006421085	INDIANA BRASS CO INC	800 W CLINTON ST	FRANKFORT	80/07/28	1		83/10/21	3	6
IND044908663	INDIANA FARM BUREAU COO P ASSN INC	1200 REFINERY RD	MOUNT VERNON	80/08/04	1	X X	80/11/14	1	A
IND041855776	INDIANA STEEL AND WIRE CO	2200 E JACKSON ST	MUNCIE	80/08/11	1	X	80/11/14	1	4
IND000708446	INDIANA WASTE SYSTEMS I NC WHEELER LDPL	ST RD 130 AND JONES RD	WHEELER	80/08/18	1	X	80/11/19	1	4
IND082293143	INDIANA WOODTREATING CO RP	5100 S ROGERS ST	BLOOMINGTON	80/08/18	2				0
IND980590947	INDUSTRIAL FUELS AND RE SOURCES CHEMSOLV	604 S SCOTT ST	SOUTH BEND	80/11/03	1	X	80/11/24	4	
IND093220861	INGERSOLL JOHNSON STEEL CO	ST RD 38W	NEW CASTLE	80/08/18	1	X	80/11/13	1	4
IND082287632	INGRAM RICHARDSON CO	STATE RD 28 W	FRANKFORT	80/08/18	1	X	80/11/21	1	C
IND005159199	INLAND STEEL CO	3210 WATLING ST	EAST CHICAGO	80/08/14	1	X X X	80/11/14	1	4
IND005416508	INTAT PRECISION INC	ST RTE 3 N	RUSHVILLE	80/07/30	2				4
IND005420245	ITT AEROSPACE COMMUNICA TIONS	3700 E PONTIAC ST	FORT WAYNE	80/08/18	1		80/11/17	1	0
IND006058556	JONES CHEMICALS INC	600 BETHEL AVE	BEECH GROVE	80/08/18	1	X X	80/11/19	1	4
IND064708845	KUNKLE FOUNDRY CO INC	407 CALIFORNIA ST	ANDREWS	80/09/10	1				0
IND005105408	LANDIS AND GYR METERING INC DUNCAN ELE	3601 SAGAMORE PKY N	LAFAYETTE	80/08/04	1	X	80/11/17	1	4
IND072040348	LILLY ELI AND CO CLINTO N LABS	S R 63 S MI N CLINTON	CLINTON	80/08/18	1	X	80/11/18	1	2
IND006050967	LILLY ELI AND CO TIPPEC ANOE LABS	LILLY RD	LAFAYETTE	80/08/11	1	X	80/11/18	1	2
IND051217776	LTV MISSILES AND ELECTR ONICS GROUP	701 W CHIPPEWA AVE	SOUTH BEND	80/08/08	1	X	80/11/18	1	6
IND095264818	LURIA BROS AND CO INC S CRAP METAL	6633 W INDUSTRIAL HWY	GARY	81/05/18		X	81/05/27	3	6
IND006417430	MARATHON PETROLEUM CO I N REFINING DIV	5000 W 86TH ST	INDIANAPOLIS	80/07/15	1	X	80/11/18	1	4
IND074307265	MARLEY WYLAIN CO WEIL M CLAIM DIV	BLAINE ST	MICHIGAN CITY	80/08/18	1	X	83/07/01		0
IND005460209	MASON METAL CO INC	1049 US RTE 41	SCHERERVILLE	80/08/18		X X	80/11/19	1	4
IND980826507	MERCIER CORP CHICAGO	2ND AND MISS GATE CITY IN D CTR	GARY	83/09/21		X	83/10/03	1	6
IND016584641	MIDWEST STEEL CO	RTE 12	PORTAGE	80/08/15	1	X X	80/11/18	1	2
IND072039001	NAVISTAR INTERNATIONAL TR CORP	5565 BROOKVILLE RD	INDIANAPOLIS	80/08/18	1			3	6
IND050530872	NORTHSIDE SAN LDPL	985 S ST RD 421	ZIONSVILLE	80/08/18		X	80/11/19	1	A
IND000199653	QUEMETCO INC	7870 W MORRIS ST	INDIANAPOLIS	80/08/11	1	X X	80/11/17		4
IND984867903	RCI RECYCLING	6560 OLD HWY 37	BLOOMINGTON		1	X		1	0
IND000718130	REFINED METALS CORP BEE CH GROVE PLT	3700 S ARLINGTON AVE	INDIANAPOLIS	80/08/18	1	X	80/11/19	1	4
IND005080965	STERLING CASTING CORP	1000 W WILEY AVE	BLUFFTON	86/04/28	1				0
IND006066955	STOUT STORAGE BATTERY C ORP	2505 W 8TH ST	MUNCIE	80/04/18	1	X			C
IND000803825	UNITED PLASTICS CO INC	SECOND ST	MEDORA	90/09/18	1	X X	80/11/17	1	4
IND210020443	US ARMY INDIANA ARMY AM	HWY 62	CHARLESTOWN	80/08/18	1	X	80/11/19	1	1

* D	INS170023498	MO PLT US NAVY NAVAL WEAPONS S UPPORT CTR	BLDG 2516 CODE 092V
* D	IND047030226	USS LEAD REFINERY INC	5300 KENNEDY AVE
* D	IND005444062	USSC GARY WORKS	1 N BROADWAY
* C	IND005081799	VITCO	900 E WABASH AVE
* C	IND078904679	WHEELABRATOR FRYE INC	400 S BYRKIT
* D	IND000772707	WILLCUTT LDFL	RR 1

CMT 101* 83

CRANE	80/09/18	1	X X X	80/11/19	1	2
EAST CHICAGO	80/08/18	1	X	80/11/18	1	C
GARY	80/09/18	1	X X	80/11/18	1	A
NAPPANEE	80/09/18	1	X X	80/11/21	3	6
MISHAWAKA	80/09/07	1		80/11/19	3	6
MEDORA	80/09/05		X X	80/11/19		4

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3 0 5 ***	ID NUMBER	FACILITY NAME	ADDRESS	CITY	NOTIF DATE	G E N	T R S S	U I D C	PART A DATE	P N A O S N	P E R
0	MID006016190	ALLEGAN METAL FINISHING CO	1274 LINCOLN RD	ALLEGAN	85/02/28	1		X	85/02/18	1 8	4
U	MID048223986	BASF CORP	471 HOWARD AVE	HOLLAND	80/08/18	1		X X X	80/11/19	1	1
D	MID005392303	BROOKS FOUNDRY INC	1712 MICHIGAN AVE	ALBION		1		X			
D	MID005044813	BUCKEYE PRODUCTS CORP	410 E BEECHER ST	ADRIAN	80/08/11	1		X	80/11/20	8	7
D	MID000718700	CASCADE RESOURCE RECOVER	6220 52TH ST	GRAND RAPIDS	80/08/18			X	80/11/19	1	1
D	MID096963194	CHEM-MET SERVICES INC	18550 ALLEN RD	WYANDOTTE	80/06/27	1		X X	80/11/07		1
D	MID990760100	CHRYSLER CORP INTROL DIV	2880 N ZEEB RD	ANN ARBOR	80/08/18				80/11/19	1 8	4
C	MID051763696	CONSUMERS POWER CO B E MORROW PLT	6900 E MICHIGAN AVE	COMSTOCK	80/08/18			X	80/11/19	3 8	6
D	MID006030357	CWC CASTINGS DIV PLT 3	2672 HENRY ST	MUSKEGON MTS	80/09/18				85/01/11		1
U	MID099114704	DETROIT COKE CORP	7819 W JEFFERSON	DETROIT	81/01/02			X			
D	MID000724724	DOM CHEMICAL CO MICHIGAN DIV MIDLAND LOC	1261 BLOC	MIDLAND	80/08/18	1		X X X	80/11/17	1	2
D	MID980617435	DOM CHEMICAL CO SALZBURG LANDFILL	SALZBURG & WALDO RDS	MIDLAND	81/12/08			X	81/12/08	1	2
D	MID000809632	DOM CORNING CORP MIDLAND PLT	3901 S SAGINAW RD	MIDLAND	80/08/18	1		X X	80/11/13	1	2
D	MID005422514	DU-MEL HARTFORD INC	520 HEYWOOD ST	HARTFORD	80/07/15	1		X X	80/11/17	1	1
D	MID006020309	EAST JORDAN IRON WORKS INC	301 SPRING ST	EAST JORDAN	80/11/05	1			80/11/24	3	6
D	MID057002602	ENVIRONMENTAL WASTE CONTROL INC	27140 PRINCETON AVE	INKSTER	80/08/12	1		X X	80/11/19	1	1
D	MID072589328	FENSKE ENTERPRISES	2637 WILSON SW	GRAND RAPIDS	80/08/18			X	80/11/18	1	1
D	MID980568711	FORD MOTOR CO ALLEN PARK CLAY MINE	OAKWOOD BLVD & SOUTHFIELD HWY	ALLEN PARK	80/08/18	2		X	80/11/17	1	2
D	MID005057005	FORD MOTOR CO MONROE PLT	3200 E ELM AVE	MONROE	80/08/18	1		X	80/11/18	1	1
C	MID009305665	FORD MOTOR CO SALINE PLT	7700 MICHIGAN AVE	SALINE	80/08/18	1		X	80/11/19	1	6
D	MID005356712	GMC BOC FLINT AUTOMOTIVE DIV	902 E HAMILTON DIV 14	FLINT	80/08/18	1		X	80/11/16	1	1
D	MID005356951	GMC CHEVROLET FLINT VAN SLYKE COMPLEX	G-3248 VAN SLYKE RD	FLINT	80/08/15	1		X X	80/11/18	1	1
D	MID041793340	GMC CHEVROLET SAGINAW CASTING & PARTS PT	2100 VETERANS MEMORIAL PKWY	SAGINAW	80/08/18	1		X	80/11/18	1	1
D	MID005356860	GMC FISHER BODY DIV COLDWATER RD	1245 E COLDWATER RD	FLINT	80/08/12	1		X	80/11/19	1	1
D	MID005356902	GMC TRUCK & BUS GROUP	660 SOUTH BLVD E	PONTIAC	80/08/13	1		X X	80/11/17	1	1
D	MID003906773	GMC WMS & DIST DIV FLINT	4060 W BRISTOL RD	SWARTZ CREEK	80/08/18	1		X	80/11/18	1	6
D	MID980506265	GRAND BLANC LANDFILL	2277 W GRAND BLANC RD	RANKIN	80/10/02			X X	80/11/17	3	1
D	MID082771700	GRANGER LAND DEVELOPMENT CO	8500 W GRAND RIVER AVE	LANSING	80/08/18			X	80/11/18	3	6
D	MID005513262	GREDE FOUNDRIES INC GREDE VASSAR	700 E HURON AVE	VASSAR	80/08/18	1		X	80/11/19	1	1
D	MID005038500	HOLNAM INC DUNDEE PLT	15215 DAY RD	DUNDEE	81/01/12	2			91/03/24	G	5
U	MID980567838	HOSKINS MFG CO	EAST KITTLE RD RTE 1 BOX 328	MIO	80/09/18	1		X X	80/11/18	N	5
D	MID058816927	JOHNSON CONTROLS GLOBE BATTERY OMOSSO	951 AIKEN RD	OMOSSO	80/07/21	1		X	80/11/19	1	1
D	MID006023022	JOHNSON IRON INDUSTRIES	615 W SHEPARD	CHARLOTTE		1		X			

* D	MID0006020895	KHI INC	582 E LAKEWOOD BLVD	HOLLAND	80/07/15	1	X	80/11/17	1	
* D	MID0006025217	KURDZIEL IRON INDUSTRIE S INC OF ROTHBURY	2625 WINSTON RD	ROTHBURY	80/09/18	1	X	87/12/08	1	0
* D	MID0006014666	LACKS INDUSTRIES INC	1601 GALBRAITH ST SE	GRAND RAPIDS	80/08/23	1	X	84/07/24	8	7
* D	MID0080359433	LACKS INDUSTRIES INC	6138 RIVERSIDE	SARANAC	90/09/23	1	X		8	7
* D	MID990687964	LAKE STATES WOOD PRESERVING	HWY M-28 E	MUNISING	80/08/07	1	X	80/11/18	1	8 7
* D	MID0006017966	LAMINA INC LAMINA BRONZE PROD DIV	1000 FAIRGROUND RD	BELLAIRE	83/06/01	1	X	83/08/21	8	7
* D	MID0000809665	LEVY EDW C CO PLT 3	100 W WESTFIELD RD	ECORSE	80/09/18	1		80/11/19	3	8 6
* D	MID094549425	LEVY EDW C CO PLT 6	13950 MELON RD	DETROIT	80/09/18		X X	80/11/19	3	8 6
* D	MID0000721753	LEVY EDW C CO TRENTON PLT	1601 W JEFFERSON AVE	TRENTON	80/09/18		X X	80/11/19	3	8 6
* D	MID017422304	MCLOUTH STEEL PRODUCTS TRENTON	1491 WEST JEFFERSON	TRENTON	80/08/18	1	X	80/11/18	1	1
* D	MID0003355789	MERCIER CORP THE DEARBORN PLT	3895 ROULO	DEARBORN	80/08/19		X	80/11/20	9	1
* D	MID980825632	MICH DEPT OF NATL RES S TRGE FAC	1515 E ROBINSON LAKE ROAD	ROSCOMMON	83/08/24		X	87/03/24	1	6
* D	MID980905335	MICHIGAN DEPT OF TRANSP ORTATION	7650 JACKSON RD	ANN ARBOR	84/05/02	1	X	88/01/13	1	1
* D	MID0000724831	MICHIGAN DISPOSAL INC (WPF)	49350 NORTH SERVICE DRIVE	BELLEVILLE	80/08/18		X	80/11/19	1	1
* D	MID0009708678	MONSANTO CO	5045 W JEFFERSON AVE	TRENTON	80/08/14	1	X	80/11/18	1	1
* D	MID0005069257	NATIONAL STANDARD MILES CITY COMPLEX	601 N EIGHTH ST	MILES	80/08/12	1	X	82/11/16		1
* D	MID270010549	NATIONAL STANDARD MILES LAKE ST PLT	1631 LAKE ST	MILES	80/09/11	1	X	82/11/16		1
* D	MID0006014906	OCCIDENTAL CHEMICAL CORP	OLD CHANNEL TRL & WHITEBCK RD	MONTAGUE	80/08/18	1	X X	80/11/17	1	8 4
* C	MID0079290532	OSCEOLA REFINING CO	2790 S REFINERY RD	WEST BRANCH	80/08/15	1	X	80/11/18	3	C
* U	MID0006013643	PARKE DAVIS & CO	189 HOWARD AVE	HOLLAND	80/08/15	1	X X	80/11/20	3	1
* D	MID041413154	PEPIN IRECO INC	NATIONAL MINE LOCATION	ISHPEMING	80/08/04	2	X X	80/11/13	1	1
* D	MID047153077	PRODUCTION PLATED PLASTICS INC	9899 EAST D AVE	RICHLAND	80/08/18	1	X	80/11/18	1	1
* D	MID082767591	QUANER CORP MICHIGAN SEAMLESS	400 MCMUNN STREET	SOUTH LYON	80/10/14	1	X	80/11/19		1
* C	MID0078400165	ROMEO ENGINE PLT	701 E 32 MILE RD	ROMEO	80/08/15	1	X	80/11/19	1	6
* U	MID0087738431	ROUGE STEEL COMPANY	3001 MILLER RD	DEARBORN	80/08/18	1	X X	80/11/17	1	4
* C	MID043766351	SCIO PLASTICS INC	62 DIVISION ST	MILAN	80/07/07		X X	80/11/18	3	6
* D	MID0099124299	STANLEY WORKS STANLEY TOOLS DIV	425 FRANK STREET	FOWLERVILLE	80/08/12			81/06/09	1	8 7
* D	MID0005358130	TOTAL PETROLEUM INC ALMA A REFINERY	EAST SUPERIOR ST	ALMA	80/08/18	1	X X X	80/11/18	1	1
* C	MID980795512	UNIVERSAL DIE CASTING INC	232 MONROE ST	SALINE	80/10/30		X	80/11/19	1	6
* U	MID0000820381	UPJOHN CO THE	7171 PORTAGE RD	KALAMAZOO	80/08/18	1	X X X	80/11/19	1	1
* U	MID0000722439	VELSICOL CHEMICAL CORP	500 W BANKSON ST	ST LOUIS	80/09/18			82/02/23	1	1
* D	MID048090633	WAYNE DISPOSAL INC SITE #2	49350 N SERVICE DRIVE	BELLEVILLE	80/08/18	1	X	80/11/18	1	1
* D	MID081601122	WITCO ALLIED KELITE DIV	29111 MILFORD RD	NEW HUDSON	80/11/10	1	X	81/01/22	1	1
* D	MID0000810408	WOODLAND MEADOWS LOFL M ORTH	4620 HANMAN RD	WAYNE	80/08/18	1	X	80/11/19	3	6
* D	MID0004508628	WYCOFF STEEL INC	1000 GENERAL DR	PLYMOUTH	80/08/07	1	X			0

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* 3 0 5 *** * 0	MND000686196	BURLINGTON NORTHERN TIE PLANT	WEST CITY LIMITS	BRAINERD	80/08/18		X	80/11/19 1 2
* 0	MND006156390	FEDERAL CARTRIDGE CORP	9TH & TYLER STS	ANOKA	80/08/18	1	X X	80/11/18 1 2
* 0	MND980824890	FMC CORP NORTHERN ORDNA NCE DIV	4800 E RIVER RD	FRIDLEY	83/08/11		X	83/12/16 2
* 0	MND000686071	KOCH REFINING CO	12555 US HWY 55	ROSEMOUNT	80/09/13	1	X	80/11/17 1 2
* 0	MND982205494	LAKE SUPERIOR PAPER IND	100 N CENTRAL AVE	DULUTH	87/06/12	1		
* 0	MND041775008	NORTH STAR STEEL CO	1679 RED ROCK RD	ST PAUL	80/08/18	1	X	80/11/18 1 2
* 0	MND985668342	SARTELL CITY DUMP LAGOON NO 3	12TH ST N	SARTELL	89/03/14		X	0
* 0	MND006172969	3M CHEMOLITE	HWY 61 E CHEMOLITE RD	COTTAGE GROVE	80/08/18	1	X	80/11/18 1 2

LAND DISPOSAL
91/05/16

3 0 5 ***	ID NUMBER	FACILITY NAME	ADDRESS	CITY	NOTIF DATE	G E M	T R S D C	U I S O C	PART A DATE	P N A O S M R	P P E R
* D	OH0050387802	AEROSOL SYSTEMS INC	9150 VALLEY VIEW RD	MACEDONIA	80/08/19	1		X			0
* U	OH0085757003	AKRON RUBBER LINING INC	2642 GILCHRIST RD	AKRON	86/06/13	1					
* D	OH000461398	ALLIANCE MACHINE COMPAN Y	1049 S MAHONING	ALLIANCE	80/08/14	2					
* D	OH0004341509	AMERICAN CYANAMID MARIE TTA PLT	1405 GREENE ST	MARIETTA	80/08/18	1		X X	80/11/17	1	1
* D	OH0004528873	AMERICAN METALS CORP	1000 CROCKER RD	WESTLAKE	80/08/18	1		X	80/11/19	1	5
* D	OH0017497587	AMERICAN STEEL FOUNDRIE S	LAKE PARK BLVD & EDWINTON AVE	ALLIANCE	80/08/18				80/11/18	F	5
* D	OH0017998022	AMKO SERVICE COMPANY OO VER CRYO DIV	1250 DAVIS ST	DOVER	80/11/25	2					
* D	OH0981529688	AMOCO PERFORMANCE PRODU CTS INC	ST RTE 7	MARIETTA	86/07/03	1		X X	80/11/19	1	2
* D	OH0005108477	ARISTECH CHEM CORP HAVE RHILL PLT	HAVERHILL OHIO FURNACE RD	HAVERHILL	80/08/18	1		X X	80/11/18	1	1
* U	OH0004234480	ARMCO INC MIDDLETOWN WK S	1801 CRAWFORD ST	MIDDLETOWN	80/08/18	1		X	80/11/17	N	5
* D	OH0980509491	ASHLAND CO LOFL	CO RD 1754	ASHLAND							0
* C	OH0064095102	AVONDALE INDUSTRIES INC	4365 BRADLEY RD S W	CLEVELAND	86/12/08	1				3	6
* C	OH0004182614	BECHTEL-MCLAUGHLIN INC	3612 MILAN ROAD	SANDUSKY	80/08/07	1		X	80/10/28	1	1
* C	OH0068932011	BORDEN CHEM PRINTING IM K DIV	630 GLENDALE MILFORD RD	CINCINNATI	80/08/18	1		X	80/11/19	3	6
* D	OH0042157644	BP CHEMICALS INC	FT AMANDA & ADGATE RDS	LIMA	80/08/18	1		X X	80/11/18	1	2
* D	OH0005051826	BP OIL-LIMA REFINERY	1150 S METCALF ST	LIMA	97/02/27	1		X X	80/11/10		A
* D	OH0005057562	BP TOLEDO	LALLENDRF & CEDAR POINT RD	OREGON	80/08/15	1		X X	80/11/18	1	2
* D	OH0980795264	BROWNING-FERRIS IND OF OHIO INC	1 MI S OF PLEASANT VALLEY RD	EAST PALESTIN E	80/08/18	1		X	80/11/19	1	4
* D	OH0004212999	BRUSH WELLMAN INC	SOUTH PORTAGE RIVER RD	ELMORE	80/08/18	1		X X	80/11/17	1	1
* D	OH0004282158	BURNHAM CORP FOUNDRY DI V	2345 LICKING VIEW ROAD	ZANESVILLE	80/10/20	1		X	82/03/23	1	4
* C	OH0000780203	CALGOM CORP	1MI FROM SOLIDA RD ON RT 52	SOUTH POINT	80/08/18			X	80/11/19	1	6
* D	OH0087433744	CECOS INTL INC	5092 ABER RD	WILLIAMSBURG	80/08/15	1		X X	80/11/14	1	A
* D	OH0004207254	CENTER MFG CO	540 GOODRICH RD	BELLEVUE	89/02/15	2					0
* D	OH0004203675	CHEM-MASTERS CORP	477 INDUSTRIAL PKWY	CHAGRIN FALLS	85/03/06	2					0
* D	OH0020273819	CHEMICAL WASTE MANAGEME NT	3956 ST RTE 412	VICKERY	80/08/18	1		X X	80/11/19	1	1
* D	OH0004254132	CHEVRON USA INC CINCINN ATI REFINERY	ST RTE 128 & BYPASS 50	HOOVEN	80/07/28	1		X X	80/11/14	1	1
* D	OH0076675081	CLEVELAND HOPKINS INTER NATIONAL AIRPORT	5300 RIVERSIDE DR	CLEVELAND	88/04/28	1		X			0
* D	OH0004294849	CLOW WATER SYSTEMS COMP ANY	2266 S SIXTH ST	COSHOCTON	80/09/18	1		X	80/11/18	1	1
* D	OH0000816843	COMMERCIAL OIL SERVICE INC	3600 CEDAR POINT ROAD	OREGON	80/08/18			X X	80/11/19	3	C
* C	OH0043736644	CONSUMER ELECTRONIC HOL DINGS INC	24200 US RTE 235	CIRCLEVILLE	80/08/18	1			80/11/18	3 N	6
* D	OH0061731857	COPPERWELD STEEL COMPAN Y	4085 MAHONING AVE	WARREN	80/08/18	1		X	80/11/20	1	4
* D	OH0980509848	COZART LANDFILL	RTE 2 TOWNSHIP RD 135	COOLVILLE							
* D	OH0058842501	CYCLOPS CORP EL WING SM ITH DIV	530 N SECOND ST	CAMBRIDGE	80/08/18	1		X	80/11/15	1 B	6

* D	OHMD004157418	CYCLOPS CORP EMPIRE-DET ROIT STEEL DIV	913 ROWMAN STREET	MANSFIELD	90/08/18	1					
* D	OHMD005039730	DANA CORP WEATHERHEAD D IV	US RTE 24 2MI E	ANTWERP	80/09/05	1		80/11/21	3	N	6
* D	OHMD052859170	DAYTON-WALTHER CORP POR TSMOUTH DIV	2400 EAST CHARLES ST	PORTSMOUTH	80/08/18	1	X	80/11/18	1		1
* C	OHMD000721340	DEFIANCE COUNTY SANITAR Y LANDFILL	ROUTE 5 & CANAL RD 156	DEFIANCE	80/08/18		X	80/11/20	1		1
* D	OHMD063989545	DESIGN ORIGINALS INC	402 JACKSON ST	JACKSON CENTE R							0
* C	OHMD004298783	DESIGNER ACCENTS INC	451 GORDON ST	ROSEVILLE	83/05/09	1		83/06/13	3		6
* D	OHMD004165924	DETREX CHEM IND INC	NORTH ST RD	ASHTABULA	80/11/18		X	80/11/18			4
* D	OHMD059102061	DIVERSIFIED PRODUCTS IN C	6451 STRIKER RD	MAINEVILLE	83/04/12						
* D	OHMD004287322	DU PONT E I DE MEMOURS & CO	US RTE 23 S PO BOX 89	CIRCLEVILLE	80/08/18	1	X	80/11/14	1		1
* D	OHMD004241550	DURIRON CO INC THE FOUN DRY & PUMP DIV	425 N FINOLAY ST	DAYTON	80/09/18	1	X	80/11/18	1	8	4
* D	OHMD079438081	DYER BROTHERS CO INC	BLESSING RD OFF NORTHUP P AT RD	NORTHUP	80/08/18						0
* D	OHMD000724088	EAGLEBROOK OF OHIO INC	17877 ST CLAIR AVE	CLEVELAND	80/09/18		X X	80/11/18	1		2
* D	OHMD980700942	ECOLOTEC INC	636 N IRWIN ST	DAYTON	80/08/18	1	X X	80/11/18	1		2
* D	OHMD055829022	EGBERT CORP	200 EGBERT RD	BEDFORD	80/08/18	1	X	80/11/19	1		4
* D	OHMD045205424	EKO HOUSEWARES COMPANY MASSILLON DIV	359 STATE ST EXT N W	MASSILLON	80/08/18	1					0
* D	OHMD004325411	ELKEN METALS CO/UNION C ARBIDE	ST RT 7 SOUTH BOX 299	MARIETTA	80/08/18	1	X	80/11/17			0
* C	OHMD000721423	ENVIROSAFE SER DUPONT R D	DUPONT ROAD	OREGON	80/08/18			80/11/19	3		6
* D	OHMD045243706	ENVIROSAFE SER OTTER CR EEK RD	876 OTTER CREEK RD	OREGON	80/08/18	1	X X	80/11/19	1		2
* D	OHMD000721415	ENVIROSAFE SER WYNN RD	CEDAR POINT & WYNN ROAD	OREGON	80/08/18	1	X	80/11/19	1		1
* D	OHMD055522429	ERIEWAY INCORPORATED	33 INDUSTRY DR	BEDFORD	80/07/23	1	X	80/08/25	1		2
* D	OHMD068111327	EVERGREEN LANDFILL	2625 E BROADWAY	NORTHWOOD	80/08/18	1	X	80/11/19	1		4
* C	OHMD005051289	FORD MOTOR CO LIMA ENGI NE PLT	1155 BIBLE RD	LIMA	80/09/18	1		80/11/19		N	5
* D	OHMD005046149	FORT RECOVERY INDUSTRIE S INC	2440 STATE ROUTE 49	FORT RECOVERY	80/08/18	1	X X	80/11/19	1	9	1
* D	OHMD005050273	GMC CENTRAL FOUNDRY DIV DEFIANCE PLT	STATE ROUTE 281 EAST	DEFIANCE	80/08/13	1	X	80/11/18	1		1
* D	OHMD004201091	GMC FISHER BODY DIV ELY RIA PLT	1400 LOWELL ST	ELYRIA	80/08/01	1	X X	80/11/19	1		4
* D	OHMD020632998	GMC GM ASSEMBLY DIV LOR DSTOWN PLANT	2300 HALLOCK YOUNG ROAD	WARREN	80/08/12	1	X	80/11/18		8	4
* D	OHMD000817577	GMC HARRISON RADIATOR D IV SOUTH PLANT	3600 DRYDEN RD	MORAIN	80/08/13	1	X	80/11/18	1		4
* D	OHMD000817346	GMC PACKARD ELEC DIV	NORTH RIVER RD & LARCHMEN T NE	WARREN	80/08/18	1	X X	80/11/19	1		1
* D	OHMD080143266	GOULD INC OCEAN SYSTEMS DIVISION	18901 EUCLID AVE	CLEVELAND	80/08/18	1	X X				0
* D	OHMD004468609	GRADY MCCAULY CREATIVE GRAPHICS	7390 MIDDLEBRANCH RD	MIDDLEBRANCH	85/07/26						0
* D	OHMD004201406	GRAPHITE PRODUCTS CORP	5756 WARREN SHARON RD	BROOKFIELD	80/09/04	2					
* D	OHMD004260709	GREEN INDUSTRIES INC	3603 E KEMPER RD	CINCINNATI	86/03/10	1					
* D	OHMD980569438	GSK CHEMICAL SERVICES O F OHIO INC	7415 BESSEMER AVENUE	CLEVELAND	80/08/18	1	X X	81/10/05	1		2
* D	OHMD051633113	HANDY AND HARMAN AUTOMO TIVE	ST RTE 66 S	ARCHBOLD	86/04/03	1					
* D	OHMD986968006	HARDIN CO LANDFILL	PLEASANT TOWNSHIP	KENTON							
* D	OHMD041082025	HARRISON ENTERPRISES IN C	5600 N HAMILTON RD	COLUMBUS	80/07/22			80/11/20		9	1

ID	NAME	ADDRESS	CITY	DATE	TIME	STATUS	LOCATION	DATE	TIME	STATUS
* D	HATCHER PE INC	BOX 355	RICHMOND			X X				1
* D	HILTON DAVIS CO	2235 LANGDON FARM RD	CINCINNATI	80/08/18	1	X		80/11/19	1	4
* D	HOGUE LUMBER CO	SOUTH MAIN ST	NEW KNOXVILLE	90/05/11	2					0
* D	HOUSEHOLD MFG ELJER PLU	921 SOUTH ELLSWORTH AVE	SALEM	80/11/17	1	X		80/11/17	1	1
	MING WARE DIV									
* D	HOUSEHOLD MFG INC ELJER	OAK & NINTH STREET	MARYSVILLE	80/08/11		X		80/11/17	1	1
	PLUMINGWARE DV									
* D	MULL POTTERY CO	327 AMERINE ST	CROOKSVILLE	84/04/23						0
* D	IRONTON COKE CORP	3329 S 3RD ST	IRONTON	80/08/18				80/11/18	3	6
* C	IRONTON IRON INC	2520 S THIRD ST	IRONTON	80/11/17	1			80/11/17	3	6
* D	JENNISON-WRIGHT CORP TH	2463 BROADWAY ST	TOLEDO	84/10/02		X				0
	E									
* C	JPI TRANSPORTATION PROD	RTE 4 OFF RTE B21 S	CALDWELL	80/07/31	1	X		80/11/18	3	6
	UCTS									
* D	KOPPERS CO INC	1359 LOGAN AVE	YOUNGSTOWN	80/09/18	1	X X		80/11/19	1	4
* D	KOPPERS COMPANY INC	2563 FRONT ST	TOLEDO	80/08/18	2	X X		80/11/19	1	1
* D	L H INC	1502 BECKET AVE	CAMBRIDGE	90/11/04		X X		81/11/19	3	C
* D	L TEC WELDING AND CUTTI	MIDDLE RD	ASHTABULA	80/08/18	1	X		80/11/19	1	4
	NG SYSTEMS INC									
* D	LINDE GASES OF THE GREA	14788 YORK ROAD	NORTH ROYALTO	80/08/18	2	X				0
	T LAKES INC		N							
* D	LTV STEEL CO CLEVELAND	3341 JENNINGS RD	CLEVELAND	80/08/18	1			80/11/18	1	4
	WEST									
* C	MARION STEEL COMPANY	912 CHENEY AVE	MARION	80/08/10	1			80/11/14	3	W 6
* D	MASTER METALS INC	2850 W 3RD ST	CLEVELAND	90/08/18	1	X		80/11/19	1	D 1
* D	MILLCO PROPERTIES	4388 TULLER RD	DUBLIN	89/07/17						
* D	MORITZ INC	400 PARK AVE E REAR	MANSFIELD	87/11/02	2					0
* D	MCR CORPORATION E&M CAM	1/2 M OFF US 70&77 COCHRA	CAMBRIDGE	80/08/20	1	X		80/11/18	1	4
	BRIDGE OHIO	N AVE								
* D	OCCIDENTAL CHEMICAL COR	13717 ST RTE 585	KENTON	80/08/11	1	X		80/11/17	1	1
	P									
* C	OHIO POWER CO MUSKINGUM	3.5 MI NW BEVERLY OHIO	BEVERLY	80/08/18	2	X X		80/11/17	1	B 4
	RIVER PLT									
* C	OLIN CORP	MIDDLE RD BOX 206	ASHTABULA	80/08/18				80/11/19	3	6
* D	PARKER MANIFIM CORP MO	11197 US 23	WAVERLY	80/08/20	1			80/11/18	H	5
	BEL HYD DIV									
* D	PETERSON PAUL	950 DUBLIN RD	COLUMBUS	89/04/14	2					
* D	PHILLIPS DISPLAY COMPON	700 N PRATT	OTTAWA	90/09/12	1	X		80/11/17	1	D 4
	ENTS CO									
* D	PORT COLUMBUS INTL AIRP	4605 BRIDGEMAY AVE	COLUMBUS	88/06/08	2	X				0
	ORT									
* D	R AND D CHEMICAL CO	TWP RD 235	MANSFIELD							
* D	R AND R ENGINE AND MACH	1004 SWARTZ RD	AKRON	87/08/04	2					0
	INE									
* D	RANCO INCORPORATED	8115 SR 42	PLAIN CITY	80/08/18	1	X		80/11/19	1	1
* D	RANCO INCORPORATED	555 LONDON RD	DELAWARE	90/08/11	1	X X		80/11/19	1	4
* D	RELIABLE PLATING CO	517 CRYSTAL AVE	FINDLAY	80/03/18						C
* D	REPUBLIC ENGINEERED STE	401 ROSE AVE SE	MASSILLON	80/08/15	1	X				
	ELS INC									
* D	REPUBLIC ENGINEERED STE	2633 8TH ST NE	CANTON	80/08/18	1	X X		80/11/18	1	1
	ELS									

ID	Company Name	Address	City	Date	Count	Notes	Other Date	Other Count	Other Notes
* D	0HD004199204	SCHUMANN I AND CO	22500 ALEXANDER RD	OAKWOOD VILLA	89/06/30	1	X		0
* D	0HD004465084	SCIO POTTERY CO	38500 CRIMM RD	SCIO	85/05/20	1	X		0
* D	0HD0990834483	SCOTT OM AND SONS CO	SCOTTLAWN RD	MARYSVILLE	80/08/14	1	X	80/11/18	1 1
* D	0HD018221853	SIMONDS CUTTING TOOLS	HELLER DR	NEWCOMERSTOWN	80/07/03	1	X	80/11/12	3 8 6
* D	0HD064102874	SOUTH SIDE PLATING INC	963 EDWARD ST	GALION	80/09/03				0
* D	0HD089431001	SOUTHERN WOOD PIEDMONT WAVERLY	PO BOX 149 RTE 200 E	WAVERLY	80/08/15		X X	80/11/18	1 1
* D	0HD005037809	ST MARYS FOUNDRY INC	405 E SOUTH ST	ST MARYS	88/06/10	2			0
* D	0HD004461711	STARK CERAMICS	600 W CHURCH ST	EAST CANTON		2	X		0
* C	0HD091831313	STEEL ABRASIVES INC	2727 SYMMES RD	HAMILTON	80/08/12	1		81/06/09	3 6
* D	0HD004449427	STRUCTURAL STONEMARE IN C	BRIDGE ST	MINERVA					
* D	0HD068901610	TELEDYNE MONARCH RUBBER PLANT 1	10 LINCOLN PARK	HARTVILLE	80/08/18	1	X	80/11/19	1 1
* D	0HD077755213	THOMAS STEEL STRIP CORP	DELAWARE AVE NW 100 YDS R TE 5	WARREN	80/07/23	1	X	80/08/20	1 8 6
* D	0HD077752566	U S CERAMIC TILE CO	10233 SANDYVILLE RD	EAST SPARTA	80/08/18	1	X	80/11/17	1 1
* D	0HD081315863	UNICO ALLOYS INC	1555 JOYCE AVE	COLUMBUS	85/02/19	1			
* D	0HD982638892	UNION SPRING AND MFG SC IOTO ROSS	387 WETZEL DR	CHILLICOTHE	89/07/26				
* C	0HD004153854	UNITED MUSICAL INSTRUME NTS USA INC	33999 CURTIS BLVD	EASTLAKE	80/09/18	1		80/11/19	1 9 1
* D	0H5210020736	US ARMY RAVENNA ARMY AM MUNITION PLT	8451 STATE RTE 5	9451 STATE RT E 5	80/08/15	2	X	80/11/19	1 1
* D	0H6890008976	US DOE FEED MATERIALS P RODUCTION CTR	7400 WILLEY RD	FERNALD	80/08/18	1	X	84/07/12	1 1
* D	0H7890008983	US DOE PORTSMOUTH GASEO US DEFUSION PLANT	US RTE 23 S	PIKETON	80/08/18	1	X	84/07/12	1 1
* D	0HD004222030	USS KOBE STEEL CO	1807 E 28TH ST	LORAIN	80/08/18	1	X	80/11/18	1 8 1
* D	0HD081313744	UVONICS CO INC	2162 MCKINLEY AVE	COLUMBUS	84/08/14	2			0
* D	0HD981956618	VALLEY CORES	1800 AND A HALF ALLEN AVE SW	CANTON					
* D	0HD004169199	VALLEY VULCAN MOLD CO	7158 MASURY RD	HUBBARD	87/10/19	2			0
* D	0HD060409521	WARREN CONSOLIDATED IND USTRIES	1040 PINE AVE SE	WARREN	80/08/18	1	X X	80/11/18	1 1
* D	0HT400013082	WEIGAND A J INC	TWP RD 417	BOLIVAR	80/12/02	1	X X	83/11/22	1 0
* D	0HD041349929	WHIRLPOOL CORP	4901 N MAIN ST	FINDLAY	80/09/18	1		80/11/19	3 M 6
* C	0HD004184768	ZACLOM INC	2981 INDEPENDENCE	CLEVELAND	80/08/12	1		80/11/17	3 6
* C	0HD000716910	3M COPLEY CHEM	3154 COPLEY RD	COPLEY	80/08/18			80/11/18	3 8 6

LAND DISPOSAL
91/05/15

ID NUMBER	FACILITY NAME	ADDRESS	CITY	NOTIF DATE	G E N	T T U R S I S O C	PART A DATE	P N P A O E S N R
WID048876239	DE PERE FOUNDRY INC	805 SO SIXTH ST	DE PERE	80/08/20	1			3 6
WID006141402	FORT HOWARD STEEL INC	200 NINTH ST	GREEN BAY	80/07/24	1	X	80/11/14	3 6
WID000712950	JANESVILLE CITY OF FILT RATION BEDS	BLACKBRIDGE ROAD	JANESVILLE	80/08/18		X	80/11/19	1 1
WID006179493	KOPPERS INDUSTRIES INC	JCT OF CO ROS A AND Z	SUPERIOR	80/08/18	1	X X	80/11/19	1 2
WID076171008	LAND RECLAMATION LTD	2250 S GREEN BAY RD	RACINE	80/03/18		X	80/11/19	1 4
WID098547854	METRO LANDFILL & DEVELOPMENT PROJECT	10712 S 124TH ST	FRANKLIN	80/08/18	1	X	80/11/19	1 9 4
WID006194336	MURPHY OIL USA INC	STINSON AVE	SUPERIOR	80/08/11	1	X	80/11/18	3 7
WID025286766	MURRAY MACHINERY INC FOUNDRY	60TH AVE	WAUSAU	89/08/14		X	89/08/15	1 0
WID006100275	OCOMOMOC ELECTROPLATING CO	W2573 OAK ST	ASHIPPUN	80/07/22	1			1 0
WID000808568	OMEGA HILLS NORTH LANDFILL	12700 COUNTYLINE RD	GERMANTOWN	80/08/18	1	X		0
WID046536231	VULCAN MATERIALS CO	ST HWY 73 S	PORT EDWARDS	80/08/18	1	X	80/11/19	1 1
WID006133441	WAUPACA FOUNDRY INC	TOWER RD	WAUPACA	80/08/18	1	X	86/09/06	1 1
WID981093248	WAUPACA FOUNDRY LANDFILL	GRANITE VALLEY AND ELM	WAUPACA					0

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RFAs Conducted Through FY'91
On Permitted Facilities

FACILITY	ID	RFA
AKZO CHEMICALS INC	ILD065237851	.T.
AT& T BELL LABORATORIES INDIAN HILL	ILD068608314	.T.
BARON BLAKESLEE INC	ILD051937068	.T.
CARGILL INC CHEMICAL PROD DIV	ILD005083316	.T.
CHEMICAL WASTE TWI	ILD098642424	.T.
SUNDSTRAND CORP AVIATION OPT PLT 1	ILD010219665	.T.
HICKSON CORP	IND000781609	.T.
INDIANA UNIVERSITY SHOWERS WAREHOU*	IND000815423	.T.
OWENS-CORNING FIBERGLAS R&C DIVI*	IND980502074	.T.
PURDUE UNIVERSITY	IND072051394	.T.
SAFETY-KLEEN CORP 5-060-01	IND000815894	.T.
SAFETY-KLEEN CORP 5-068-01	IND000715466	.T.
SAFETY-KLEEN CORP 5-082-01	IND000715474	.T.
AMERICAN CYANAMID CO	MID005360680	.T.
CYANOKEM	MID098011992	.T.
DEARBORN REFINING	MID005510805	.T.
DETROIT EDISON CO WARREN SERVICE C*	MID000722157	.T.
ENTHONE OMI INC	MID056717747	.T.
FORD MOTOR CO MILAN PLASTICS PLT	MID091955476	.T.
GMC TECHNICAL CENTER	MID050615996	.T.
MICHIGAN STATE UNIVERSITY	MID053343976	.T.
SWS SILICONES CORP	MID075400671	.T.
TRICIL ENVIRONMENTAL SERVICES	MID072585755	.T.
US CHEMICAL CO INC	MID006523385	.T.
VAN WATERS AND ROGERS INC	MID010861524	.T.
ASHLAND CHEMICAL CO	MND000686709	.T.
HONEYWELL INC PROVING GRNDS MN 321*	MND081138604	.T.
HONEYWELL MN 17-1510 AVIONICS	MND000819318	.T.
IBM INTL BUSINESS MACHINES CORP	MND006161756	.T.
MEDTRONIC INC	MND000293365	.T.
NORTHERN STATES PWR-CHESTNUT SER C*	MND000826206	.T.
SAFETY KLEEN CORP 5/103/01	MND981953045	.T.
SAFETY-KLEEN CORP 5-050-01	MND000686170	.T.
UNISYS	MND079731519	.T.
UNISYS SHEPARD ROAD	MND000823922	.T.
US NAVY NAVAL SEA SYS COM-FMC NORT*	MN3170022914	.T.
BARON-BLAKESLEE INC	OH0980993992	.T.
BP AMERICAN RESEARCH CENTER	OH0010835619	.T.
CATALYST RESOURCES/DART INDUSTRIES*	OH0046202602	.T.
CHEMTROM CORP	OH0066060609	.T.
ENGELHARD CORP (HARSHAW CHEM CO	OH0004203519	.T.
GENERAL ELECTRIC CO AIRCRAFT ENGINE	OH0000817312	.T.
GSX CHEMICAL SERVICES OF OHIO	OH0077786309	.T.
LUBRIZOL CORP	OH0004172565	.T.
LUBRIZOL CORPORATION THE	OH0004172623	.T.
MERCURY STAINLESS STEEL	OH0990834129	.T.
RMI CO EXTRUSION PLT	OH0980683544	.T.
UNION CAMP CORP	OH0004209094	.T.
A.O. SMITH	WID006085815	.T.
AQUA-TECH, INCORPORATED	WID988566543	.T.

RFAs Conducted Through FY'91
On Permitted Facilities

FACILITY	ID	RFA
AVGANICS INC	WID000808824	.T.
BRIGGS & STRATTON CORPORATION	WID000713636	.T.
CURWOOD INC	WID006144737	.T.
FREEMAN CHEMICAL CORP	WID980615439	.T.
MASTER LOCK COMPANY INC	WID054105218	.T.
NATIONAL TANK SERVICE OF WISC INC	WID073838880	.T.
PARAGON ELECTRIC CO INC TWO RIVERS	WID006078141	.T.
SHEREX CHEMICAL CO INC	WID094361458	.T.
UNIVERSITY OF WISCONSIN HERRICK DR*	WID981001787	.T.
UNIVERSITY OF WISCONSIN-MADISON	WID000809012	.T.
US ARMY BADGER ARMY AMMO PLT	WI9210020054	.T.
US ARMY GARRISON FORT MCCOY	WI3210020563	.T.
WASTE RESEARCH & RECLAMATION CO INC	WID990829475	.T.

TSF'S SEEKING PERMIT

FACILITY	ID	RFA
ABBOTT LABORATORIES	ILD055409940	.T.
CLAYTON CHEMICAL	ILD066918327	.T.
KOPPERS INDUSTRIES INC	ILD005164611	.T.
LONE STAR INDUST OGLESBY CEMENT PLT	ILD980613475	.T.
TALLEY DEFENSE SYSTEMS JAAPGP64	ILD984775510	.T.
ASHLAND CHEM CO	IND016621476	.T.
BRIDGESTONE FIRESTONE INC	IND006418263	.T.
ENERGY COOPERATIVE INC	IND082547803	.T.
GENCORP AUTOMOTIVE WABASH PLT	IND005159603	.T.
RAPID LIQUID WASTE WOLF LAKE TERMI*	IND054101415	.T.
ALLIED SIGNAL INC	MID005517198	.T.
DRUG & LABORATORY DISPOSAL INC	MID092947928	.T.
GMC CHEVROLET BAY CITY	MID005356688	.T.
GMC TRUCK AND BUS DIV PONTIAC WEST	MID980568836	.T.
SAFETY KLEEN CORP 4-055-03	MID000722694	.T.
DETERMAN WELDING & TANK SERVICE INC	MND022888143	.T.
WCI FREEZER DIVISION	MND092304856	.T.
GENERAL ELECTRIC CO COSHOCTON PLT	OHD004302428	.T.
LIBERTY SOLVENT & CHEM CO INC	OHD052324548	.T.
OCCIDENTAL CHEMICAL CORP	OHD003913308	.T.
PPG INDUSTRIES	OHD004198917	.T.
SAFETY-KLEEN CORP	OHD980587364	.T.
SOUTHWESTERN PORTLAND CEMENT COMPA*	OHD981195779	.T.
US DOE MOUND FACILITY	OH6890008984	.T.
JOHNSON S C & SON INC	WID006091425	.T.

05/16/91

RFA Conducted Through FY'91

FACILITY	ID	RFA
+ABBOTT LABORATORIES	ILD055409940	.T.
+AT& T BELL LABORATORIES INDIAN HILL	ILD068608314	.T.
+CARGILL INC CHEMICAL PRODUCTIONS DIV	ILD980578876	.T.
+CLAYTON CHEMICAL	ILD066918327	.T.
+HYDROSOL INC	ILD077001741	.T.
+KOPPERS INDUSTRIES INC	ILD005164611	.T.
+LONE STAR INDUSTRIES OGLESBY CEMENT PLT	ILD980613475	.T.
+MCCOOK LEAD SUPPLY INC	ILD098983208	.T.
+MIKA TIMBER CO	ILD054955547	.T.
+PMC SPECIALTIES GROUP DIV OF PMC I*	ILD981091291	.T.
+SAFETY-KLEEN CORP ELGIN SOLVENT CTR	ILD000805911	.T.
+SHERWIN WILLIAMS	ILD005456439	.T.
+SUNDSTRAND CORP AVIATION OPT PLT 1	ILD010219665	.T.
+ASHLAND CHEM CO	IND016621476	.T.
+ASHLAND CHEMICAL INC	IND040300964	.T.
+BRIDGESTONE FIRESTONE INC	IND006418263	.T.
+COPLAY CEMENT CO	IND005081542	.T.
+ENERGY COOPERATIVE INC	IND082547803	.T.
+GENCORP AUTOMOTIVE WABASH PLT	IND005159603	.T.
+GENERAL ELECTRIC CO	IND006376362	.T.
+GOLD SHIELD SOLVENTS	IND085616837	.T.
+IRECO CHEMICALS	IND000714832	.T.
+MILES INC	IND005068705	.T.
+NAVISTAR, TR CORP	IND072039001	.T.
+RAPID LIQUID WASTE WOLF LAKE TERMI*	IND054101415	.T.
+RHONE POULENE	IND001859032	.T.
+SAFETY-KLEEN CORP 5-060-01	IND000815894	.T.
+SAFETY-KLEEN CORP 5-082-01	IND000715474	.T.
+WESTVILLE OIL CO	IND005480462	.T.
+WHIRLPOOL CORPORATION	IND006383095	.T.
+A-1 DISPOSAL CORP	MID059695452	.T.
+ALLIED SIGNAL INC	MID005517198	.T.
+CORDOVA CHEMICAL CO OF MICHIGAN	MID060174240	.T.
+DEARBORN REFINING	MID005510805	.T.
+DRUG & LABORATORY DISPOSAL INC	MID092947928	.T.
+FORD MOTOR CO MILAN PLASTICS PLT	MID091955476	.T.
+GMC OLDSMOBILE DIV PLTS 2 & 3	MID980700827	.T.
+GMC PROVING GROUND MILFORD	MID082220757	.T.
+GMC TRUCK AND BUS DIV PONTIAC WEST	MID980568836	.T.
+PENNWALT CORP	MID005363114	.T.
+SEALED POWER DIV SANFORD ST PLT	MID980499735	.T.
+SWS SILICONES CORP	MID075400671	.T.
+TRICIL ENVIRONMENTAL SERVICES	MID072585755	.T.
+US CHEMICAL CO INC	MID006523385	.T.
+VAN WATERS AND ROGERS INC	MID010861524	.T.
+ASHLAND CHEMICAL CO	MND000686709	.T.
+MAYO FOUNDATION	MND000781625	.T.
+UNISYS	MND079731519	.T.
+BARIUM & CHEMICALS	OND004323465	.T.
+BD OF CNTY CHMSNRS MSD LIQ/FLUID I*	OND000720250	.T.
+CHEVRON CHEMICAL CO GULF OIL	OND000608646	.T.

05/16/91

RFA Conducted Through FY'91

FACILITY	ID	RFA
+DIAMOND INTERNATIONAL-HEEKIN CAN	OHD004253225	.T.
+ENGELHARD CORP (MARSHAW CHEM CO)	OHD004203519	.T.
+GENERAL ELECTRIC CO AIRCRAFT ENGINE	OHD000817312	.T.
+GENERAL ELECTRIC CO COSHOCTON PLT	OHD004302428	.T.
+HOBART CORP	OHD004236907	.T.
+LIBERTY SOLVENT & CHEM CO INC	OHD052324548	.T.
+LUBRIZOL CORPORATION THE	OHD004172623	.T.
+MERCURY STAINLESS STEEL	OHD990834129	.T.
+OCCIDENTAL CHEMICAL CORP	OHD003913308	.T.
+PPG INDUSTRIES	OHD004198917	.T.
+SAFETY-KLEEN CORP	OHD980587364	.T.
+TIMKEN CO THE STEEL DIV	OHD004465100	.T.
+US AIR FORCE PLT 85 MCDON DOUG	OH1170090004	.T.
+A.O. SMITH	WID006085815	.T.
+ADVANCE TRANSFORMER CO	WID044670099	.T.
+AQUA-TECH, INCORPORATED	WID988566543	.T.
+FREEMAN CHEMICAL CORP	WID980615439	.T.
+HACCO INC	WID006075352	.T.
+HYDRITE CHEMICAL CO	WID006435887	.T.
+JOHNSON S C & SON INC	WID006091425	.T.
+NATIONAL TANK SERVICE OF WISC INC	WID073838880	.T.
+US ARMY BADGER ARMY AMMO PLT	WI9210020054	.T.
+WORMALD US INC ANSUL FIRE PROTECTI*	WID006125215	.T.

APPENDIX F

REGION V EPI IMPLEMENTATION AGREEMENT

List of EPI Sites Remaining to be Addressed by
Region V Superfund (Original EPI Universe)

Appendix F

PA/VSI Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
+SAFETY-KLEEN CORP 5-034-05	ILD000665851	.T.
ALBUM GRAPHICS INC	ILD047580006	.T.
ALCAN TOYO AMERICA INC	ILD000716860	.T.
AMERICAN NATIONAL CAN COMPANY	ILD005142351	.T.
AMERICAN NATIONAL CAN COMPANY	ILD047922323	.T.
ARMITAGE JOHN L & CO	ILD047572029	.T.
ATWOOD INDUSTRIES INC	ILD005198973	.T.
ATWOOD VACUUM MACHINE CO EDDY AVE *	ILD005163035	.T.
BARRETT VARNISH CO	ILD094291648	.T.
BEAVER OIL CO INC	ILD064418353	.T.
BODINE ELECTRIC CO	ILD005069224	.T.
BORG-WARNER CORP CHEMICALS LINMAR *	ILD079135133	.T.
BRIDGESTONE FIRESTONE INC	ILD005199013	.T.
BURGESS-NORTON MFG CO	ILD062406038	.T.
C P INORGANICS	ILD062480850	.T.
CATERPILLAR INC MOSSVILLE PLT	ILD005244777	.T.
CATERPILLAR INC TECH CENTER	ILD067407627	.T.
CATERPILLAR TRACTOR CO	ILD005070651	.T.
CATERPILLAR TRACTOR CO	ILD052664364	.T.
CHICAGO BRIDGE & IRON CO	ILD082939588	.T.
CHICAGO BRIDGE & IRON COMPANY	ILD062330162	.T.
CHROMIUM CORP OF AMERICA	ILD005185194	.T.
CONTINENTAL TANK CLEANING SERVICES*	ILD065835357	.T.
CORE-LUBE INC	ILD005174461	.T.
CROUSE-HINDS CO LIGHTING PRODUCT	ILD049301583	.T.
DIVERSEY CORP THE	ILD056637861	.T.
DOVER INDUSTRIAL CHROME INC	ILD005125588	.T.
ENGINEERED COATED PRODUCTS INC	ILD068474147	.T.
FANSTEEL INC	ILD005130786	.T.
FIW	ILD980502744	.T.
FT DECHARTERS STATE PARK	ILD981189368	.T.
GENERAL ELECTRIC CO	ILD980503023	.T.
GENERAL ELECTRIC CO	ILD005453691	.T.
GENERAL ELECTRIC CO MATTON	ILD005443866	.T.
GENERAL SIGNAL CORP SOLA ELECTRIC *	ILD092430719	.T.
GULF & WESTERN MFG CO BOHN HEAT TR*	ILD065247355	.T.
HENRY VALVE CO	ILD005071741	.T.
HERITAGE INK CO	ILD050576214	.T.
JOHNSON & JOHNSON BABY PRODUCTS CO	ILD068453950	.T.
KYANIZE PAINTS INC	ILD001426618	.T.
LENZ OIL SERVICE INC	ILD005451711	.T.
MAGIC CHEF INC ADMIRAL DIV	ILD067417337	.T.
MCKESSON CHEMICAL CO	ILD059435081	.T.
METHODE ELECTRONICS INC	ILD005092135	.T.
METHODE ELECTRONICS INC INTRCNCT P*	ILD046579488	.T.
MIDWEST ELECTRIC MFG CORP	ILD059453373	.T.
MOBIL OIL CORP DES PLAINES TERM	ILD059435537	.T.
MOTOR WHEEL CORP	ILD006536239	.T.

Appendix F

PA/VSIs Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
MOTOROLA INC	ILD079751319	.T.
NORGE ADMIRAL DIVISION MAYTAG CORP	ILD093746014	.T.
PARCO PRODUCTS INC	ILD025258047	.T.
PC DISPLAY FINISHERS INC	ILD005071949	.T.
PERFECTION PLATING INC	ILD046569620	.T.
PRECISION TWIST DRILL CO	ILD005076567	.T.
RICHARDSON ELECTRONICS LTD	ILD062405204	.T.
ROCK-OLA MFG CORP	ILD005163068	.T.
SAFETY-KLEEN CORP 5-034-04	ILD000665869	.T.
SESTER AND SONS	ILD106923360	.T.
SET LIQUID WASTE SYSTEMS INC	ILD000810549	.T.
SOUTHERN IL UNIV DEPT POLLUTION CON	ILD071965214	.T.
SOUTHERN ILLINOIS UNIVERSITY SCIEN*	ILD006331342	.T.
STEWART-WARNER CORP	ILD005444930	.T.
STEWART-WARNER CORP HOBBS DIV	ILD005251251	.T.
SUN CHEMICAL CORP-GPI DIV	ILD075603886	.T.
TAM INDUSTRIES INC	ILD059423608	.T.
TRIEM STEEL & PROCESSING INC	ILD001744572	.T.
UNITED STEEL DRUM INC	ILD077117992	.T.
US NAVY GREAT LAKES NAVAL BASE	IL7170024577	.T.
VAN WATERS AND ROGERS BLOOMINGTON	ILD000781633	.T.
VAN WATERS AND ROGERS INC	ILD000819938	.T.
VETTER PRODUCTS INC	ILD075611525	.T.
WHITING CORP	ILD005119888	.T.
+BRIDGESTONE FIRESTONE INC	IND006418263	.T.
+YODER OIL	IND005944079	.T.
ABB POWER T AND D COMPANY INC	IND006062582	.T.
AMERICAN NATIONAL CAN	IND006386866	.T.
BALL CORP	IND000810713	.T.
CABLEC INDUSTRIAL CABLE CO	IND062803697	.T.
CONTINENTAL CAN CO INC	IND006418206	.T.
DOWBRANDS	IND000195545	.T.
FMC CORP FIRE APPARATUS OPERATION	IND006416838	.T.
GENERAL ELECTRIC CO	IND004557815	.T.
GENERAL ELECTRIC CO	IND000803726	.T.
GMC DELCO ELECTRONIC-KOKOMO PLANT 5	IND000806844	.T.
GTE PRODUCTS CORP	IND055203814	.T.
GTI CORP CIRCUITS DIV	IND005130695	.T.
IDOH GREENFIELD DISTRICT	IND000715185	.T.
IDOH LAPORTE DISTRICT	IND074296724	.T.
ILC PRODUCTS CO INC ALUMINUM EXT D*	IND005470521	.T.
PRECISION ENGINE PRODS INC	IND016330474	.T.
RADIO MATERIALS CORP	IND005477021	.T.
SOUTH BEND TOY MANUFACTURING CO THE	IND005070750	.T.
SOUTH HAVEN WATER WORKS INC	IND044240174	.T.
STANDARD FUSEE	IND980614051	.T.
VON DUPRIN INC	IND006066112	.T.
ALLIED BENDEX AEROSPACE	IND048222608	.T.

Appendix F

PA/VSIs Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
AMERICAN BURDICK AND JACKSON	MID072575731	.T.
AMERICAN ELECTRIC	MID080356876	.T.
AMERICHEM CORP	MID065840514	.T.
AMWAY CORP	MID006276793	.T.
AUTO SPECIALTIES MFG CO	MID005446406	.T.
BENTELER CORP	MID000776104	.T.
BRAZEWAY INC	MID005035910	.T.
CITY SAND & LANDFILL INC	MID020850442	.T.
CLARK EQUIPMENT CO AXLE DIV	MID040273021	.T.
CONTAINER SPECIALTIES INC	MID005361597	.T.
CONTINENTAL CAN CO USA PLANT 95	MID005082839	.T.
DAVIS PRODUCTS CO	MID005529367	.T.
ETHYL CORP R & D LABS	MID041803123	.T.
GEORGIA-PACIFIC CORP KALAMAZOO DIV	MID042441022	.T.
GM SERVICE PARTS CPS DRAYTON PLAINS	MID003912920	.T.
GMC CHEVROLET ADRIAN MFG	MID084571256	.T.
GMC CPC ROMULUS ENGINE OPS	MID000809905	.T.
GMC DELCO MORIANE SAGINAW MFG	MID005356845	.T.
GMC GMAD LAKE ORION TWP PLT	MID000718544	.T.
GMC HYDRA-MATIC DIV YPSILANTI	MID980587893	.T.
GMC OLDSMOBILE DIV PLT 1	MID005356894	.T.
GMC OLDSMOBILE DIV PLT 5	MID980700843	.T.
GMC ROCHESTER PROD DIV COOPERSVILL*	MID000721738	.T.
GOODYEAR TIRE & RUBBER CO	MID005341979	.T.
GR MFG CO	MID092951953	.T.
GRM INDUSTRIES INC	MID005356175	.T.
HAYES-ALBION CORP PARAMOUNT DIE CA*	MID005135785	.T.
HEXCEL CORP CHEMICAL PRODUCTS DIV	MID083684290	.T.
KNAPE & VOGT MANUFACTURING CO	MID006024699	.T.
MAJOR MACHINE CO	MID005344130	.T.
MICH DEPT OF TRANSPORTATION MAINT*	MID980992325	.T.
MONSANTO CO	MID074246919	.T.
NATIONAL WATER LIFT CO	MID005515853	.T.
NOR-AM CHEMICAL CO/BFC CHEMICALS I*	MID080358351	.T.
NORTHERNAIRE PLATING CO INC	MID020883609	.T.
SAFETY KLEEN CORP 4 055 01	MID981091838	.T.
SPARTAN CHEMICAL CO	MID079300125	.T.
STEELCASE INC	MID006016547	.T.
TECUMSEH PRODUCTS CO INC	MID005049440	.T.
TRANSIGN INC	MID006007967	.T.
UNION CAMP CORP	MID050615921	.T.
UNION CAMP CORPORATION	MID005039490	.T.
UNION STEEL PRODUCTS CO	MID005318522	.T.
UNIVERTICAL SOLDER ALLOYS	MID980793467	.T.
UPJOHN KAL WAREHOUSE & DISTRIB CEN*	MID000821512	.T.
VALERON CORPORATION THE VALCASTII *	MID085893543	.T.
VAN WATERS AND ROGERS GRAND RAPIDS	MID980681696	.T.
VERBRUGGE OIL INC	MID006410377	.T.

Appendix F

PA/VSIs Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
ADVANCED SOLVENT RECYCLING	MND980795553	.T.
BOISE CASCADE CORPORATION INSULITE*	MND980700884	.T.
CEDAR SERV INC	MND062830674	.T.
HONEYWELL INC	MND000294389	.T.
SAFETY-KLEEN CORP 5-103-02	MND000686188	.T.
TEXTROM INC POLARIS DIV	MND044792794	.T.
TIMBER WHOLESALERS INC	MND066536988	.T.
AMERICAN STEEL AND WIRE CORP	OHD004220810	.T.
ASHLAND CHEMICAL COMPANY	OHD071114375	.T.
ASSOCIATED DRUM RECONDITIONING CO *	OHD076766278	.T.
BECTON-DICKINSON & CO SCHNELLER DIV	OHD046200879	.T.
BETZ LABORATORIES INC	OHD070751268	.T.
BORDEN CHEMICAL PRINTING INK DIV	OHD005043740	.T.
BORDEN INC COLUMBUS COATED FABRICS	OHD004294351	.T.
CARBOLINE COMPANY	OHD030963615	.T.
CHEMICAL LEAMAN TANK LINES INC	OHD009841214	.T.
CONTINENTAL CAN CO USA PLANT 15	OHD004236170	.T.
CONTINENTAL FOREST IND FIBRE DRUM *	OHD005037817	.T.
CONTINENTAL PRODUCTS CO	OHD004181764	.T.
COOK PAINT & VARNISH CO	OHD049372154	.T.
COPELAND CORPORATION	OHD000723874	.T.
DANTO ENVIRONMENTAL CORP	OHD981952427	.T.
DAYTON PRESS INC	OHD004251534	.T.
DUPONT E I DE NEMOURS & CO	OHD005041843	.T.
EATON CORP ENG FASTNER DIV	OHT400014718	.T.
EMERY CHEMICALS	OHD093903235	.T.
ERICKSON TOOL CO	OHD004187894	.T.
FLINT INK CORPORATION	OHD000817247	.T.
FULTON INDUSTRIES INC	OHD094810736	.T.
GENERAL TIRE & RUBBER CO	OHD001316330	.T.
GMC DELCO PRODUCTS DAYTON OPERATIO*	OHD000817023	.T.
GMC DELCO PRODUCTS DIV KETTERING P*	OHD004255410	.T.
GMC PACKARD ELEC DIV	OHD018414292	.T.
GRACE W R & CO CINCINNATI PLANT	OHD004233433	.T.
GS PLASTIC CO THE	OHD980569289	.T.
HARRISON PAINT CORP	OHD004469896	.T.
HARSHAW CHEMICAL CO INDUSTRIAL PLA*	OHD000804682	.T.
HOBART CORP	OHD004236907	.T.
HOCKING STATE FOREST WOOD TREATING*	OHD980996128	.T.
ITT NORTH POWER SYSTEMS	OHD098913593	.T.
ITT NORTH POWERSYSTEMS	OHD980569735	.T.
KIMBERLY-CLARK CORP BROWN-BRIDGE D*	OHD088648282	.T.
KIRKWOOD INDUSTRIES INC	OHD004198453	.T.
KITTINGER TRUCKING & SUPPLY CO	OHD049370729	.T.
LINDBERG HEAT TREATING COMPANY	OHD045208733	.T.
MANSFIELD PRODUCTS CO	OHD000723601	.T.
MCKESSON CHEMICAL COMPANY	OHD002899847	.T.
METALS APPLIED	OHD004173621	.T.

Appendix F

PA/VSI Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSI's
MIDWEST GUARDIAN INC	OHD048782049	.T.
MOSLER INC	OHD001502632	.T.
NATIONAL LIME AND STONE COMPANY	OHD004174769	.T.
NORDSON CORP NORTH RIDGEVILLE FACI*	OHD000772483	.T.
OHIO RUBBER CO	OHD004222378	.T.
OWENS-ILLINOIS TECH CTR	OHD005562020	.T.
PETTY M & SON -YARD NO 2	OHD980586887	.T.
PPG INDUSTRIES INC WORKS 26	OHD004199030	.T.
PREMIX INC	OHD004200044	.T.
PROCTER & GAMBLE COMPANY	OHD061705489	.T.
PROCTER & GAMBLE COMPANY THE	OHD092818368	.T.
RIVER SMELTING AND REFINING CO THE	OHD004187035	.T.
SAFETY KLEEN CORP 4-040-01	OHD000810275	.T.
SAFETY KLEEN CORP 4-040-03	OHD000720136	.T.
SAFETY KLEEN CORP 4-190-01	OHD000721001	.T.
SAFETY-KLEEN CORP 4-037-01	OHD084750579	.T.
SHERWIN-WILLIAMS CO GRAPHIC ARTS D*	OHD004206215	.T.
SRI MILLERSVILLE PLANT	OHD981201247	.T.
STRATOFLEX INC MARION HOSE FACILITY	OHD000772921	.T.
SYNTHETIC PRODUCTS COMPANY	OHD077783603	.T.
TECHNICARE CORPORATION	OHD055827489	.T.
THERM O DISC INC	OHD004159869	.T.
TITANIUM METALS CORP TIMET DIV	OHD098435134	.T.
UCAR CARBON CO INC	OHD003926748	.T.
UNION CARBIDE	OHD004167219	.T.
VALSPAR CORP THE	OHD004261822	.T.
VAN WATERS AND ROGERS BEDFORD HGTS	OHD071107791	.T.
WARNER AND SWASEY CO	OHD086668076	.T.
WESTERN ENTERPRISES	OHD061029963	.T.
WRIGHT STATE UNIVERSITY	OHD047814256	.T.
ASHLAND CHEMICAL CO	WID053689196	.T.
BORDEN CHEM CO ADHESIVES & CHEM DIV	WID023540263	.T.
ESCHEM INC	WID055301055	.T.
GENERAL ELECTRIC CO	WID980683569	.T.
GERBER PRODUCTS CO MANUFACT DIV	WID051623353	.T.
GREDE FOUNDRIES INC-REEDSBURG FDRY	WID000809129	.T.
HYDRITE CHEMICAL CO	WID006435895	.T.
MOORE OIL COMPANY INC	WID0001779313	.T.
PETERSON BUILDERS	WID096828975	.T.
SAFETY KLEEN CORP 5-100-01	WID045130713	.T.
SAMUELS H COMPANY INC	WID023501422	.T.
SPECTRA-CHEMICAL INC	WID066890047	.T.
SUN CHEMICAL CORP-GPI DIVISION	WID080498769	.T.
SUPERCOMPUTER SYSTEMS INC	WID052748985	.T.
TP INDUSTRIAL INC -- PUREX	WID023364649	.T.
TRANE COMPANY MAIN COMPLEX LA CROS*	WID006161368	.T.

Appendix F

PA/VSI Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSI's
+SAFETY-KLEEN CORP 5-034-05	ILD000665851	.T.
ALBUM GRAPHICS INC	ILD047580006	.T.
ALCAN TOYO AMERICA INC	ILD000716860	.T.
AMERICAN NATIONAL CAN COMPANY	ILD005142351	.T.
AMERICAN NATIONAL CAN COMPANY	ILD047922323	.T.
ARMITAGE JOHN L & CO	ILD047572029	.T.
ATWOOD INDUSTRIES INC	ILD005198973	.T.
ATWOOD VACUUM MACHINE CO EDDY AVE *	ILD005163035	.T.
BARRETT VARNISH CO	ILD094291648	.T.
BEAVER OIL CO INC	ILD064418353	.T.
BODINE ELECTRIC CO	ILD005069224	.T.
BORG-WARNER CORP CHEMICALS LINMAR *	ILD079135133	.T.
BRIDGESTONE FIRESTONE INC	ILD005199013	.T.
BURGESS-NORTON MFG CO	ILD062406038	.T.
C P INORGANICS	ILD062480850	.T.
CATERPILLAR INC MOSSVILLE PLT	ILD005244777	.T.
CATERPILLAR INC TECH CENTER	ILD067407627	.T.
CATERPILLAR TRACTOR CO	ILD005070651	.T.
CATERPILLAR TRACTOR CO	ILD052664364	.T.
CHICAGO BRIDGE & IRON CO	ILD082939588	.T.
CHICAGO BRIDGE & IRON COMPANY	ILD062330162	.T.
CHROMIUM CORP OF AMERICA	ILD005185194	.T.
CONTINENTAL TANK CLEANING SERVICES*	ILD065835357	.T.
CORE-LUBE INC	ILD005174461	.T.
CROUSE-HINDS CO LIGHTING PRODUCT	ILD049301583	.T.
DIVERSEY CORP THE	ILD056637861	.T.
DOVER INDUSTRIAL CHROME INC	ILD005125588	.T.
ENGINEERED COATED PRODUCTS INC	ILD068474147	.T.
FANSTEEL INC	ILD005130786	.T.
FIW	ILD980502744	.T.
FT. DECHARTERS STATE PARK	ILD981189368	.T.
GENERAL ELECTRIC CO	ILD980503023	.T.
GENERAL ELECTRIC CO	ILD005453691	.T.
GENERAL ELECTRIC CO MATTON	ILD005443866	.T.
GENERAL SIGNAL CORP SOLA ELECTRIC *	ILD092430719	.T.
GULF & WESTERN MFG CO BOMM HEAT TR*	ILD065247355	.T.
HENRY VALVE CO	ILD005071741	.T.
HERITAGE INK CO	ILD050576214	.T.
JOHNSON & JOHNSON BABY PRODUCTS CO	ILD068453950	.T.
KYANIZE PAINTS INC	ILD001426618	.T.
LENZ OIL SERVICE INC	ILD005451711	.T.
MAGIC CHEF INC ADMIRAL DIV	ILD067417337	.T.
MCKESSON CHEMICAL CO	ILD059435081	.T.
METHODE ELECTRONICS INC	ILD005092135	.T.
METHODE ELECTRONICS INC INTRCNCT P*	ILD046579488	.T.
MIDWEST ELECTRIC MFG CORP	ILD059453373	.T.
MOBIL OIL CORP DES PLAINES TERM	ILD059435537	.T.
MOTOR WHEEL CORP	ILD006536239	.T.

Appendix F

PA/VS1 Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
MOTOROLA INC	ILD079751319	.T.
NORGE ADMIRAL DIVISION MAYTAG CORP	ILD093746014	.T.
PARCO PRODUCTS INC	ILD025258047	.T.
PC DISPLAY FINISHERS INC	ILD005071949	.T.
PERFECTION PLATING INC	ILD046569620	.T.
PRECISION TWIST DRILL CO	ILD005076567	.T.
RICHARDSON ELECTRONICS LTD	ILD062405204	.T.
ROCK-OLA MFG CORP	ILD005163068	.T.
SAFETY-KLEEN CORP 5-034-04	ILD000665869	.T.
SESTER AND SONS	ILD106923360	.T.
SET LIQUID WASTE SYSTEMS INC	ILD000810549	.T.
SOUTHERN IL UNIV DEPT POLLUTION CON	ILD071965214	.T.
SOUTHERN ILLINOIS UNIVERSITY SCIEN*	ILD006331342	.T.
STEWART-WARNER CORP	ILD005444930	.T.
STEWART-WARNER CORP HOBBS DIV	ILD005251251	.T.
SUN CHEMICAL CORP-GPI DIV	ILD075603886	.T.
TAM INDUSTRIES INC	ILD059423608	.T.
TRIEM STEEL & PROCESSING INC	ILD001744572	.T.
UNITED STEEL DRUM INC	ILD077117992	.T.
US NAVY GREAT LAKES NAVAL BASE	IL7170024577	.T.
VAN WATERS AND ROGERS BLOOMINGTON	ILD000781633	.T.
VAN WATERS AND ROGERS INC	ILD000819938	.T.
VETTER PRODUCTS INC	ILD075611525	.T.
WHITING CORP	ILD005119888	.T.
+BRIDGESTONE FIRESTONE INC	IND006418263	.T.
+YODER OIL	IND005944079	.T.
ABB POWER T AND D COMPANY INC	IND006062582	.T.
AMERICAN NATIONAL CAN	IND006386866	.T.
BALL CORP	IND000810713	.T.
CABLEC INDUSTRIAL CABLE CO	IND062803697	.T.
CONTINENTAL CAN CO INC	IND006418206	.T.
DOWBRANDS	IND000195545	.T.
FMC CORP FIRE APPARATUS OPERATION	IND006416838	.T.
GENERAL ELECTRIC CO	IND004557815	.T.
GENERAL ELECTRIC CO	IND000803726	.T.
GMC DELCO ELECTRONIC-KOKOMO PLANT 5	IND000806844	.T.
GTE PRODUCTS CORP	IND055203814	.T.
GTI CORP CIRCUITS DIV	IND005130695	.T.
IDOH GREENFIELD DISTRICT	IND000715185	.T.
IDOH LAPORTE DISTRICT	IND074296724	.T.
ILC PRODUCTS CO INC ALUMINUM EXT D*	IND005470521	.T.
PRECISION ENGINE PRODS INC	IND016330474	.T.
RADIO MATERIALS CORP	IND005477021	.T.
SOUTH BEND TOY MANUFACTURING CO THE	IND005070750	.T.
SOUTH HAVEN WATER WORKS INC	IND044240174	.T.
STANDARD FUSEE	IND980614051	.T.
VON DUPRIN INC	IND006066112	.T.
ALLIED BENDEX AEROSPACE	MID048222608	.T.

Appendix F

PA/VSIs Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
AMERICAN BURDICK AND JACKSON	MID072575731	.T.
AMERICAN ELECTRIC	MID080356876	.T.
AMERICHEM CORP	MID065840514	.T.
AMWAY CORP	MID006276793	.T.
AUTO SPECIALTIES MFG CO	MID005446406	.T.
BENTELER CORP	MID000776104	.T.
BRAZEWAY INC	MID005035910	.T.
CITY SAND & LANDFILL INC	MID020850442	.T.
CLARK EQUIPMENT CO AXLE DIV	MID040273021	.T.
CONTAINER SPECIALTIES INC	MID005361597	.T.
CONTINENTAL CAN CO USA PLANT 95	MID005082839	.T.
DAVIS PRODUCTS CO	MID005529367	.T.
ETHYL CORP R & D LABS	MID041803123	.T.
GEORGIA-PACIFIC CORP KALAMAZOO DIV	MID042441022	.T.
GM SERVICE PARTS CPS DRAYTON PLAINS	MID003912920	.T.
GMC CHEVROLET ADRIAN MFG	MID084571256	.T.
GMC CPC ROMULUS ENGINE OPS	MID000809905	.T.
GMC DELCO MORIANE SAGINAW MFG	MID005356845	.T.
GMC GMAD LAKE ORION TWP PLT	MID000718544	.T.
GMC HYDRA-MATIC DIV YPSILANTI	MID980587893	.T.
GMC OLDSMOBILE DIV PLT 1	MID005356894	.T.
GMC OLDSMOBILE DIV PLT 5	MID980700843	.T.
GMC ROCHESTER PROD DIV COOPERSVILL*	MID000721738	.T.
GOODYEAR TIRE & RUBBER CO	MID005341979	.T.
GR MFG CO	MID092951953	.T.
GRM INDUSTRIES INC	MID005356175	.T.
HAYES-ALBION CORP PARAMOUNT DIE CA*	MID005135785	.T.
HEXCEL CORP CHEMICAL PRODUCTS DIV	MID083684290	.T.
KNAPE & VOGT MANUFACTURING CO	MID006024699	.T.
MAJOR MACHINE CO	MID005344130	.T.
MICH DEPT OF TRANSPORTATION MAINT*	MID980992325	.T.
MONSANTO CO	MID074246919	.T.
NATIONAL WATER LIFT CO	MID005515853	.T.
NOR-AM CHEMICAL CO/BFC CHEMICALS I*	MID080358351	.T.
NORTHERNAIRE PLATING CO INC	MID020883609	.T.
SAFETY KLEEN CORP 4 055 01	MID981091838	.T.
SPARTAN CHEMICAL CO	MID079300125	.T.
STEELCASE INC	MID006016547	.T.
TECUMSEH PRODUCTS CO INC	MID005049440	.T.
TRANSIGN INC	MID006007967	.T.
UNION CAMP CORP	MID050615921	.T.
UNION CAMP CORPORATION	MID005039490	.T.
UNION STEEL PRODUCTS CO	MID005318522	.T.
UNIVERTICAL SOLDER ALLOYS	MID980793467	.T.
UPJOHN KAL WAREHOUSE & DISTRIB CEN*	MID000821512	.T.
VALERON CORPORATION THE VALCASTII *	MID085893543	.T.
VAN WATERS AND ROGERS GRAND RAPIDS	MID980681696	.T.
VERBRUGGE OIL INC	MID006410377	.T.

Appendix F

PA/VS1 Scheduled for FY'92

FACILITY	ID	FY'92 PA/VS1s
ADVANCED SOLVENT RECYCLING	MND980795553	.T.
BOISE CASCADE CORPORATION INSULITE*	MND980700884	.T.
CEDAR SERV INC	MND062830674	.T.
HONEYWELL INC	MND000294389	.T.
SAFETY-KLEEN CORP 5-103-02	MND000686188	.T.
TEXTROM INC POLARIS DIV	MND044792794	.T.
TIMBER WHOLESALERS INC	MND066536988	.T.
AMERICAN STEEL AND WIRE CORP	OHD004220810	.T.
ASHLAND CHEMICAL COMPANY	OHD071114375	.T.
ASSOCIATED DRUM RECONDITIONING CO *	OHD076766278	.T.
BECTON-DICKINSON & CO SCHNELLER DIV	OHD046200879	.T.
BETZ LABORTORIES INC	OHD070751268	.T.
BORDEN CHEMICAL PRINTING INK DIV	OHD005043740	.T.
BORDEN INC COLUMBUS COATED FABRICS	OHD004294351	.T.
CARBOLINE COMPANY	OHD030963615	.T.
CHEMICAL LEAMAN TANK LINES INC	OHD009841214	.T.
CONTINENTAL CAN CO USA PLANT 15	OHD004236170	.T.
CONTINENTAL FOREST IND FIBRE DRUM *	OHD005037817	.T.
CONTINENTAL PRODUCTS CO	OHD004181764	.T.
COOK PAINT & VARNISH CO	OHD049372154	.T.
COPELAND CORPORATION	OHD000723874	.T.
DANTO ENVIRONMENTAL CORP	OHD981952427	.T.
DAYTON PRESS INC	OHD004251534	.T.
DUPONT E I DE NENOURS & CO	OHD005041843	.T.
EATON CORP ENG FASTNER DIV	OHT400014718	.T.
EMERY CHEMICALS	OHD093903235	.T.
ERICKSON TOOL CO	OHD004187894	.T.
FLINT INK CORPORATION	OHD000817247	.T.
FULTON INDUSTRIES INC	OHD094810736	.T.
GENERAL TIRE & RUBBER CO	OHD001316330	.T.
GMC DELCO PRODUCTS DAYTON OPERATIO*	OHD000817023	.T.
GMC DELCO PRODUCTS DIV KETTERING P*	OHD004255410	.T.
GMC PACKARD ELEC DIV	OHD018414292	.T.
GRACE W R & CO CINCINNATI PLANT	OHD004233433	.T.
GS PLASTIC CO THE	OHD980569289	.T.
HARRISON PAINT CORP	OHD004469896	.T.
HARSHAW CHEMICAL CO INDUSTRIAL PLA*	OHD000804682	.T.
HOBART CORP	OHD004236907	.T.
HOCKING STATE FOREST WOOD TREATING*	OHD980996128	.T.
ITT NORTH POWER SYSTEMS	OHD098913593	.T.
ITT NORTH POWERSYSTEMS	OHD980569735	.T.
KIMBERLY-CLARK CORP BROWN-BRIDGE D*	OHD088648282	.T.
KIRKWOOD INDUSTRIES INC	OHD004198453	.T.
KITTINGER TRUCKING & SUPPLY CO	OHD049370729	.T.
LINDBERG HEAT TREATING COMPANY	OHD045208733	.T.
MANSFIELD PRODUCTS CO	OHD000723601	.T.
MCKESSON CHEMICAL COMPANY	OHD002899847	.T.
METALS APPLIED	OHD004173621	.T.

Appendix F

PA/VSI Scheduled for FY'92

FACILITY	ID	FY'92 PA/VSIs
MIDWEST GUARDIAN INC	OHD048782049	.T.
MOSLER INC	OHD001502632	.T.
NATIONAL LIME AND STONE COMPANY	OHD004174769	.T.
NORDSON CORP NORTH RIDGEVILLE FACI*	OHD000772483	.T.
OHIO RUBBER CO	OHD004222378	.T.
OWENS-ILLINOIS TECH CTR	OHD005562020	.T.
PETTY M & SON -YARD NO 2	OHD980586887	.T.
PPG INDUSTRIES INC WORKS 26	OHD004199030	.T.
PREMIX INC	OHD004200044	.T.
PROCTER & GAMBLE COMPANY	OHD061705489	.T.
PROCTER & GAMBLE COMPANY THE	OHD092818368	.T.
RIVER SMELTING AND REFINING CO THE	OHD004187035	.T.
SAFETY KLEEN CORP 4-040-01	OHD000810275	.T.
SAFETY KLEEN CORP 4-040-03	OHD000720136	.T.
SAFETY KLEEN CORP 4-190-01	OHD000721001	.T.
SAFETY-KLEEN CORP 4-037-01	OHD084750579	.T.
SHERWIN-WILLIAMS CO GRAPHIC ARTS D*	OHD004206215	.T.
SRI MILLERSVILLE PLANT	OHD981201247	.T.
STRATOFLEX INC MARION HOSE FACILITY	OHD000772921	.T.
SYNTHETIC PRODUCTS COMPANY	OHD077783603	.T.
TECHNICARE CORPORATION	OHD055827489	.T.
THERM O DISC INC	OHD004159869	.T.
TITANIUM METALS CORP TIMET DIV	OHD098435134	.T.
UCAR CARBON CO INC	OHD003926748	.T.
UNION CARBIDE	OHD004167219	.T.
VALSPAR CORP THE	OHD004261822	.T.
VAN WATERS AND ROGERS BEDFORD HGTS	OHD071107791	.T.
WARNER AND SWASEY CO	OHD086668076	.T.
WESTERN ENTERPRISES	OHD061029963	.T.
WRIGHT STATE UNIVERSITY	OHD047814256	.T.
ASHLAND CHEMICAL CO	WID053689196	.T.
BORDEN CHEM CO ADHESIVES & CHEM DIV	WID023540263	.T.
ESCHEM INC	WID055301055	.T.
GENERAL ELECTRIC CO	WID980683569	.T.
GERBER PRODUCTS CO MANUFACT DIV	WID051623353	.T.
GREDE FOUNDRIES INC-REEDSBURG FDRY	WID000809129	.T.
HYDRITE CHEMICAL CO	WID006435895	.T.
MOORE OIL COMPANY INC	WID001779313	.T.
PETERSON BUILDERS	WID096828975	.T.
SAFETY KLEEN CORP 5-100-01	WID045130713	.T.
SAMUELS N COMPANY INC	WID023501422	.T.
SPECTRA-CHEMICAL INC	WID066890047	.T.
SUN CHEMICAL CORP-GPI DIVISION	WID080498769	.T.
SUPERCOMPUTER SYSTEMS INC	WID052748985	.T.
TP INDUSTRIAL INC -- PUREX	WID023364649	.T.
TRANE COMPANY MAIN COMPLEX LA CROS*	WID006161368	.T.

APPENDIX G

REGION V EPI IMPLEMENTATION AGREEMENT

List of EPI Sites Remaining to be Addressed by
Region V RCRA (Original Universe)

05/16/91

TSF'S SEEKING PERMIT

FACILITY	ID	RFA
ABBOTT LABORATORIES	ILD055409940	.T.
CLAYTON CHEMICAL	ILD066918327	.T.
KOPPERS INDUSTRIES INC	ILD005164611	.T.
LONE STAR INDUST OGLESBY CEMENT PLT	ILD980613475	.T.
TALLEY DEFENSE SYSTEMS JAAPGP64	ILD984775510	.T.
ASHLAND CHEM CO	IND016621476	.T.
BRIDGESTONE FIRESTONE INC	IND006418263	.T.
ENERGY COOPERATIVE INC	IND082547803	.T.
GENCORP AUTOMOTIVE WABASH PLT	IND005159603	.T.
RAPID LIQUID WASTE WOLF LAKE TERMI*	IND054101415	.T.
ALLIED SIGNAL INC	MID005517198	.T.
DRUG & LABORATORY DISPOSAL INC	MID092947928	.T.
GMC CHEVROLET BAY CITY	MID005356688	.T.
GMC TRUCK AND BUS DIV PONTIAC WEST	MID980568836	.T.
SAFETY KLEEN CORP 4-055-03	MID000722694	.T.
DETERMAN WELDING & TANK SERVICE INC	MND022888143	.T.
WCI FREEZER DIVISION	MND092304856	.T.
GENERAL ELECTRIC CO COSHOCTON PLT	OHD004302428	.T.
LIBERTY SOLVENT & CHEM CO INC	OHD052324548	.T.
OCCIDENTAL CHEMICAL CORP	OHD003913308	.T.
PPG INDUSTRIES	OHD004198917	.T.
SAFETY-KLEEN CORP	OHD980587364	.T.
SOUTHWESTERN PORTLAND CEMENT COMPA*	OHD981195779	.T.
US DOE MOUND FACILITY	OH6890008984	.T.
JOHNSON S C & SON INC	WID006091425	.T.

05/16/91

TSF'S SEEKING PERMIT

FACILITY	ID	RFA
ABBOTT LABORATORIES	ILD055409940	.T.
AMEROCK CORP	ILD005163332	.F.
CLAYTON CHEMICAL	ILD066918327	.T.
KOPPERS INDUSTRIES INC	ILD005164611	.T.
LONE STAR INDUST OGLESBY CEMENT PLT	ILD980613475	.T.
PETROCHEM SERVICES INC	ILD085349264	.F.
TALLEY DEFENSE SYSTEMS JAAPGP64	ILD984775510	.T.
TECHNICAL SERVICES CO	ILD000646828	.F.
US AIR FORCE SCOTT AFB	IL7570024177	.F.
US ARMY SAVANNA ARMY DEPOT	IL3210020803	.F.
ASHLAND CHEM CO	IND016621476	.T.
BRIDGESTONE FIRESTONE INC	IND006418263	.T.
BY PROD MGMT INC	IND020939856	.F.
CHEMICAL LEAMAN TANK LINES INC	IND082856501	.F.
CHEMISPHERE INC CONTINENTAL WST SY*	IND088737275	.F.
CTS CORP ELKHART DIV MAIN PLANT	IND082864729	.F.
DANA CORP VICTOR PRODUCTS DIV	IND005081526	.F.
ENERGY COOPERATIVE INC	IND082547803	.T.
FORD METER BOX CO INC THE	IND005146683	.F.
GENCORP AUTOMOTIVE WABASH PLT	IND005159603	.T.
GENERAL ELECTRIC CO INC	IND006040299	.F.
GLADIEUX REFINERY INC	IND016308348	.F.
GMC CHEVROLET MOTOR DIV	IND079583720	.F.
GMC DELCO ELECTRONICS PLANT 1	IND006068050	.F.
HERMASEAL CO	IND980501936	.F.
I J RECYCLING	IND980501811	.F.
JENN-AIR CORPORATION	IND006037238	.F.
JOHNSON CONTROLS INC	IND009549593	.F.
MCGILL MFG CO INC ELECTRICAL DIV	IND046583571	.F.
MILES INC	IND000807016	.F.
MIBCO INC	IND005067616	.F.
NIPSCO OH MITCHELL GEN STA	IND000807099	.F.
NIPSCO MICHIGAN CITY GENERATING ST*	IND000715375	.F.
NIPSCO R M SCHAFER GENERATING STA*	IND082859455	.F.
RAPID LIQUID WASTE WOLF LAKE TERMI*	IND054101415	.T.
REA MAGNET WIRE CO ALUM CO OF AMER*	IND004320032	.F.
ROLL COATER INC	IND990873606	.F.
SAFETY KLEEN CORP 4-076-02	IND000815886	.F.
SUN CHEMICAL CORP-GPI DIVISION	IND067867945	.F.
SYSTECH ENVIRONMENTAL CORP	IND006419212	.F.
ULRICH CHEMICAL INC	IND044198034	.F.
ULRICH CHEMICAL INC	IND072081169	.F.
ULRICH CHEMICAL INC	IND094582103	.F.
UNIROYAL GOODRICH TIRE CO	IND005421987	.F.
UNIROYAL PLASTICS CO INC	IND005449830	.F.
URSHEL LABORATORIES INC	IND005068747	.F.
VAN WATERS AND ROGERS FORT WAYNE	IND040268666	.F.

TSF'S SEEKING PERMIT

FACILITY	ID	RFA
WESTINGHOUSE ABB POWER T&D CO	IND006062467 .F.	
WHIRLPOOL CORPORATION	IND006383095 .F.	
WINDSOR PLASTICS INC	IND007001050 .F.	
AKZO COATINGS	MID016850539 .F.	
ALLIED SIGNAL INC	MID005517198 .T.	
AMERICAN TAPE COMPANY	MID061862926 .F.	
AMERICAN WASTE OIL CORP	MID050598390 .F.	
CHEM-TREND INC	MID006402887 .F.	
CITY ENVIRONMENTAL INC	MID980991566 .F.	
DIVERSEY WYANDOTTE CORP	MID000721670 .F.	
DRUG & LABORATORY DISPOSAL INC	MID092947928 .T.	
ERIE COATINGS & CHEMICALS INC	MID020263877 .F.	
GAGE PRODUCTS COMPANY	MID005338801 .F.	
GENERAL ELECTRIC CO	MID044254423 .F.	
GENERAL OIL CO INC	MID047189568 .F.	
GMC AC SPARK PLUG DIV AVERILL AVE	MID980568745 .F.	
GMC AC SPARK PLUG DIV DAVISON ENG	MID980568620 .F.	
GMC AC SPARK PLUG DIV WASTE TRMT	MID980568570 .F.	
GMC CHEVROLET BAY CITY	MID005356688 .T.	
GMC CHEVROLET DETROIT GEAR AND AXLE	MID086744802 .F.	
GMC CHEVROLET FLINT MFG	MID005356654 .F.	
GMC CPC-PONTIAC FIERO ASSEMBLY	MID005356910 .F.	
GMC DELCO PRODUCTS DIVISION	MID005356621 .F.	
GMC DETROIT DIESEL CORP	MID005356803 .F.	
GMC ROCHESTER PROD DIV WYOMING PLT	MID017079625 .F.	
GMC TRUCK AND BUS DIV PONTIAC WEST	MID980568836 .T.	
GREDE FOUNDRIES INC IRON	MID006131890 .F.	
PARKER AMCHEM HENKEL CORP	MID057676124 .F.	
PORT HURON PRESTOLITE WIRE CORP	MID005359294 .F.	
SAFETY KLEEN CORP 4-055-03	MID000722694 .T.	
US AIR FORCE K I SAWYER AFB	MID0571924760 .F.	
DETERMAN WELDING & TANK SERVICE INC	MND022888143 .T.	
GENERAL ELECTRIC CO	MND980501407 .F.	
MCLAUGHLIN GORMLEY KING CO	MND980501134 .F.	
SAFETY KLEEN CORP 5-103-01	MND000823823 .F.	
WCI FREEZER DIVISION	MND092304856 .T.	
ASHLAND CHEMICAL COMPANY	OND074700311 .F.	
ASHLAND CHEMICAL COMPANY	OND002899912 .F.	
BATTERY RECYCLERS OF DETROIT	OND980613566 .F.	
CHANNEL PRODUCTS INC	OND048111090 .F.	
FERRO CORPORATION TECHNICAL CENTER	OND000817205 .F.	
GENERAL ELECTRIC CO	OND074713561 .F.	
GENERAL ELECTRIC CO COSHOCTON PLT	OND004302428 .T.	
ILWD INC	OND981200751 .F.	
KALCOR COATINGS CO	OND004220885 .F.	
LIBERTY SOLVENT & CHEM CO INC	OND052324548 .T.	
NORTH EAST CHEMICAL CORP	OND980681571 .F.	

TSF'S SEEKING PERMIT

FACILITY	ID	RFA
OCCIDENTAL CHEMICAL CORP	OHD003913308	.T.
PPG INDUSTRIES	OHD004198917	.T.
SAFETY KLEEN CORP 4 037 01	OHD981187313	.F.
SAFETY-KLEEN CORP	OHD980587364	.T.
SEAMAN CORP SHELTER-RITE DIV	OHD004211124	.F.
SOUTHWESTERN PORTLAND CEMENT COMPA*	OHD981195779	.T.
STANDARD OIL CO-BROADWAY	OHD000608455	.F.
US DOE MOUND FACILITY	OH6890008984	.T.
XXKEM (S.M. ALLEN, INC)	OHD980586804	.F.
ASHLAND CHEMICAL INC	WID000713602	.F.
BETTEN PROCESSING CO	WID060454998	.F.
BRIGGS AND STRATTON CORPORATION	WID006082531	.F.
GENERAL ELECTRIC CO MED SYS DIV W-*	WID000808725	.F.
JOHNSON CONTROLS INC HUMBOLDT FAC	WID980570113	.F.
JOHNSON S C & SON INC	WID006091425	.T.
KIMBERLY-CLARK CORP DEV FAC NORTH	WID000808444	.F.
UNIROYAL ENGINEERED PRODUCTS	WID006120919	.F.

APPENDIX H

REGION V EPI IMPLEMENTATION AGREEMENT

PA/VSI Scope of Work

WORK STATEMENT
PA/VSI

Statement of Work

1. Introduction/Background

As part of the Environmental Priorities Initiative, CERCLA and RCRA are working together to identify and address high priority RCRA facilities using available CERCLA or RCRA authorities. The first step in prioritizing facilities is to conduct preliminary assessments and visual site inspections to characterize facilities and provide sufficient information to prioritize the facility.

PA/VSI's are necessary at the following facilities:

See Attached List

2. PA/VSI Needs

The PA and VSI needs to be completed to evaluate the presence of SWMUs at the facility and the existence and/or likelihood of releases of hazardous waste or hazardous constituents to the environment. After the VSI is conducted the PA/VSI report should be completed.

3. Description of Tasks

- a. Prepare a Work Plan.
- b. Review all documents and files located at State offices and at the U.S. EPA (Region V) office in Chicago. Files from programs other than RCRA should be examined (i.e., NPDES files, air programs, etc.).
- c. Prepare a Preliminary Assessment (PA) report to describe all information obtained from the file reviews. The report should follow the format of the PA and VSI Report Format (Attachment A).
- d. Conduct the Visual Site Inspection (VSI) to verify information collected during the PA to establish how many SWMUs exist on site, and to evaluate their potential or actual releases of hazardous waste or hazardous constituents to the environment. The VSI should include: interviews with appropriate facility staff; inspection of the entire facility to identify all SWMUs; photographs of all SWMUs; identification of evidence of releases; an initial identification of potential sampling locations; and obtain all information necessary to complete the VSI Report, as outlined in Attachment A.
- e. Prepare a PA/VSI Report incorporating all information located through file reviews and the facility inspection, following the format of Attachment A.

4. Deliverables Required

- a. Provide U.S. EPA with a Work Plan.
- b. Provide U.S. EPA with a PA/VSI Report, for approval.

5. Schedule of Tasks/Deliverables

- a. Work Plan due within 20 days of receipt of work assignment.
- b. PA/VSI Report due within 30 days of completing VSI.

6. Anticipated Travel Requirements

Travel to and from State offices and the U.S. EPA Region V office in Chicago will be necessary. Travel to and from each facility will also be required on one occasion.

7. Technical Level-of-Effort Hours

- a. Complete PA/VSI Report 180 Hours x 75 facilities = 13,500 LOE

PA and VSI REPORT FORMAT

A. The PA should incorporate all information on known SWMUs. Each unit should be addressed individually. The specific information to be addressed is:

1. Provide a brief background of the facility operation, location, and environmental problems, environmental setting, and groundwater monitoring.
2. For each unit provide the following:
 - a. Description of the unit - dimensions, what unit consists of (i.e., pads, sumps, containment devices, etc.), what operation was/is performed in unit;
 - b. Dates of operation and closure, if applicable;
 - c. Types of waste managed, total capacity/volume, capacity of waste presently stored and the process rate, and, if known, the possible and probable hazardous constituents;
 - d. Any types of release controls within the unit (i.e., liners, diking, air emission controls, etc.);
 - e. History of any releases from the unit; and
 - f. Informational needs to be obtained through the VSI.

3. Site map and facility drawing delineating each SWMU.
 4. Listing of the documents reviewed, cross-referenced within each SWMU write-up.
- B. The VSI Report should include all known SWMUs denoted in the PA, plus any new units located during the inspection. The report should include the following:
1. More in-depth background section of the facility; waste handling procedures; types of wastes (hazardous and solid) managed and frequency of handling; nature of business of the facility; primary concerns for releases to all media; any proposed processing units or waste handling units; proposed remediations that the facility is going to implement;
 2. Provide more specific description of environmental setting (i.e., geology and soils, surface water and floodplain impact, climate, groundwater, human and environmental receptors, etc.); and
 3. Provide information on release pathways and the potential for releases to each media (i.e., soils, surface water, groundwater, air, subsurface gas.)
4. The SWMUs should be outlined in the same order as in the PA. All of the same information should be included, but expanded to include all information during the VSI, including information gathered that was denoted in the Informational Needs Section and the observations made at each SWMU. For each unit the information should include:
- a. Description of the unit;
 - b. Dates of operation and closure, if applicable;
 - c. Wastes managed;
 - d. Release controls;
 - e. History of releases;
 - f. Conclusions - describe potential for future releases to each media;
 - g. Observations - describe what was observed during the VSI;
 - h. Sample results, if any, found within the facility's files; and
 - i. Further actions - describe sampling points, parameters for analysis or other actions necessary, or not necessary, to complete unit investigation.
5. Identify all new SWMUs located during the VSI. Provide all information (a-i), as specified under item #4.

6. Provide as a table, a listing of all SWMUs, operational dates, evidence of releases, and suggested further actions.
7. Provide listing of all documents reviewed, cross-reference within each SWMU write-up.
8. Include as an attachment, the site-visit log original photographs.

C. Conclusions

This section should summarize how many SWMUs exist at the facility and how many have actual or potential releases to the environment. The constituents of concern and the media impacted should be reviewed. Recommendations for further action should be summarized.

These PA/VSI's must be completed by December 31, 1991.

EPA Work Assignment Manager is Kevin Pierard whose telephone number is (312) 886-4448.

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APPENDIX I

REGION V EPI IMPLEMENTATION AGREEMENT

Sample PA/VSI Deliverable Package



U.S. Environmental Protection Agency
Office of Waste Programs Enforcement
Contract No. 68-W9-0006

**PRELIMINARY ASSESSMENT/
VISUAL SITE INSPECTION**

**NORTH EAST CHEMICAL CORPORATION
CLEVELAND, OHIO**

TES 9

**Technical Enforcement Support
at Hazardous Waste Sites
Zone III
Regions 5,6, and 7**

prc

PRC Environmental Management, Inc.

PRC Environmental Management, Inc.

233 North Michigan Avenue

Suite 1821

Chicago, IL 60601

312-656-8700

FAX# 312-938-0118



Planning Research Corporation

**PRELIMINARY ASSESSMENT/
VISUAL SITE INSPECTION**

**NORTH EAST CHEMICAL CORPORATION
CLEVELAND, OHIO**

FINAL REPORT

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460**

Work Assignment No.	:	C05087
EPA Region	:	5
Site No.	:	OHD 980681571
Date Prepared	:	December 19, 1990
Contract No.	:	68-W9-0006
PRC No.	:	009-C05087
Prepared by	:	PRC Environmental Management, Inc. (Jeff Ross)
Telephone:	:	(206) 624-2692
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- B VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPH LOG
- C VISUAL SITE INSPECTION FIELD NOTES
- D LABORATORY ANALYSIS OF PAINT BOOTH FILTER SOLIDS

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EXECUTIVE SUMMARY

PRC Environmental Management, Inc. (PRC), performed a preliminary assessment and visual site inspection (PA/VSI) to identify and assess the existence and likelihood of releases from solid waste management units (SWMU) and other areas of concern (AOC) at the North East Chemical Corporation facility in Cleveland, Ohio. This report summarizes the results of the PA/VSI and evaluates the potential for releases of hazardous wastes or constituents from SWMUs and other AOCs. In addition, a completed EPA Preliminary Assessment Document (EPA Form 2070-12) is included in Attachment A to assist in the prioritization of RCRA facilities.

The North East Chemical Corporation (North East), located in central Cleveland, Ohio, operates a solvent reclamation and hazardous waste fuel production facility. North East began operations in 1983 as a solvent recovery facility, but the majority of their current business is the blending of diverse waste streams into hazardous waste fuel. Typical incoming waste streams are waste paints, adhesives, and resins. North East also produces solid waste fuels. North East submitted a Part B application and received comments from Ohio EPA in 1986. A revised Part B was submitted to Ohio EPA in 1990.

The PA/VSI identified 13 SWMUs and 6 AOCs. These are as follows:

Solid Waste Management Units

1. Drum Storage Area Number 1
2. Drum Storage Area Number 2
3. Oily Wastewater Tank (P-013)
4. Generator Solvent Tank (T-002)
5. Hazardous Waste Fuel Tanks (T-010, T-011, T-012)
6. Old Solvent Tanks (T2, T4, T5)
7. Old Sludge Tank (ST)
8. Solids Compactor
9. Fuels Blending Tanks
10. Distillation Tanks (R1, R2)
11. Paint Booth Filter Tank
12. Underground Overflow Tank
13. Warehouse Drum Storage Area

Areas of Concern

1. Empty Drum Storage Area
2. Laboratory Sample Storage Area
3. Truck Transfer Area
4. Former Underground Storage Tanks
5. Outdoor Drum Storage Area
6. Trash Pile

AOCs 4 through 6 are not located on property owned or leased by North East. However, these AOCs are on property owned by the same entity leasing land to North East and are included as required by the proposed corrective action rule (55 FR 30807, July 27, 1990) for contiguous properties.

SWMUs 3, 4, 5, 8, 10, 11, and 13 and AOC 2 are currently active and no evidence of any past or current release was found during the PA/VSI. SWMUs 6, 7, and 12 are inactive. The PA/VSI revealed no evidence of release and the potential for past release was low.

Evidence of minor releases were present for SWMUs 1 and 9. However, secondary containment at these SWMUs and the availability of sorbent materials on-site makes the potential for release to the environment low. Possible past releases at SWMU 2 and AOCs 1 and 3 (which are still active) cannot be evaluated.

The threat of any release to ground water is low and the threat of exposure is non-existent because (1) a usable aquifer does not exist beneath the facility, and (2) the municipality of Cleveland does not use any ground water as a drinking water source.

No surface water release was observed during the VSI, although a small potential for release exists from SWMU 1 and AOCs 1 and 3. North East does not discharge any wastewater.

Threat of air release beyond the facility boundaries is low.

Observed and potential releases to the soil from AOCs 1 and 3 pose a threat of exposure for on-site workers, although this threat appeared to be low and would only result from ingestion of these soils.

PRC found the overall threat of release to soil, ground water, surface water and air to be low. However, PRC recommends sampling of the soils surrounding SWMU 2 and AOCs 1 and 3 to determine the nature and extent of potential or observed releases at the facility.

1.0 INTRODUCTION

PRC Environmental Management, Inc. (PRC), received Work Assignment No. C05087 from the U.S. Environmental Protection Agency (U.S. EPA), under Contract No. 68-W9-0006 (TES 9), to conduct preliminary assessments (PA) and visual site inspections (VSI) of hazardous waste treatment and storage facilities in Region 5.

As part of Region 5's Environmental Priorities Initiative, the CERCLA and RCRA programs are working together to identify and address RCRA facilities that are a high priority for corrective action using available CERCLA and RCRA authorities. The PA/VSI is the first step in the process of prioritizing facilities for corrective action. Through the PA/VSI process, sufficient information is obtained to characterize a facility's actual or potential releases to the environment from solid waste management units (SWMU) and areas of concern (AOC). The purposes of the PA are to:

- Identify SWMUs and AOCs at the facility.
- Obtain information on the operational history of the facility.
- Obtain information on releases from any units at the facility.
- Identify data gaps and other informational needs to be filled during the VSI.

The PA includes a review of all documents and files located at state offices and at the U.S. EPA Region 5 office in Chicago.

The purposes of the VSI are to:

- Identify SWMUs and AOCs not found during the PA.
- Identify releases not discovered during the PA.
- Provide a more specific description of the environmental setting.
- Provide more information on release pathways and the potential of releases to each media.
- Confirm operational SWMU, AOCs, and release information obtained during the PA.

The VSI includes interviewing appropriate facility staff, inspecting the entire facility to identify all SWMUs and AOCs, photographing all SWMUs, identifying evidence of releases,

initially identifying potential sampling locations, and obtaining all information necessary to complete the VSI report.

This report documents the results of the PA/VSI of the North East Chemical Corporation (North East) facility in Cleveland, Ohio (OHD 980681571).

The PA was completed on July 19, 1990, and drew upon information from the Ohio Environmental Protection Agency (OEPA) files and library and U.S. EPA Region 5 RCRA files. A PA document (EPA Form 2070-12) is included in Attachment A. The VSI was conducted on July 19 and 20, 1990. The VSI included an interview with North East representatives and a walk-through inspection of the facility. Thirteen SWMUs and 6 AOCs were identified during the VSI. The VSI is summarized in Attachment B. Field notes from the VSI are included as Attachment C.

2.0 FACILITY DESCRIPTION

This section describes the facility location, past and present operations, waste streams, waste management practices, release history, regulatory history, environmental setting, and potential receptors.

2.1 FACILITY LOCATION

The North East facility is located at the corner of Monroe Avenue and Fulton Street in central Cleveland, Ohio (Figure 1). The 80,000-square foot facility is bounded on the south by the Norfolk and Western and Conrail Railroads, on the east by Monroe Cemetery, on the west by the Willett Cemetery, and on the north by residential property. The facility is approximately 1.5 miles southwest of the Cuyahoga River.

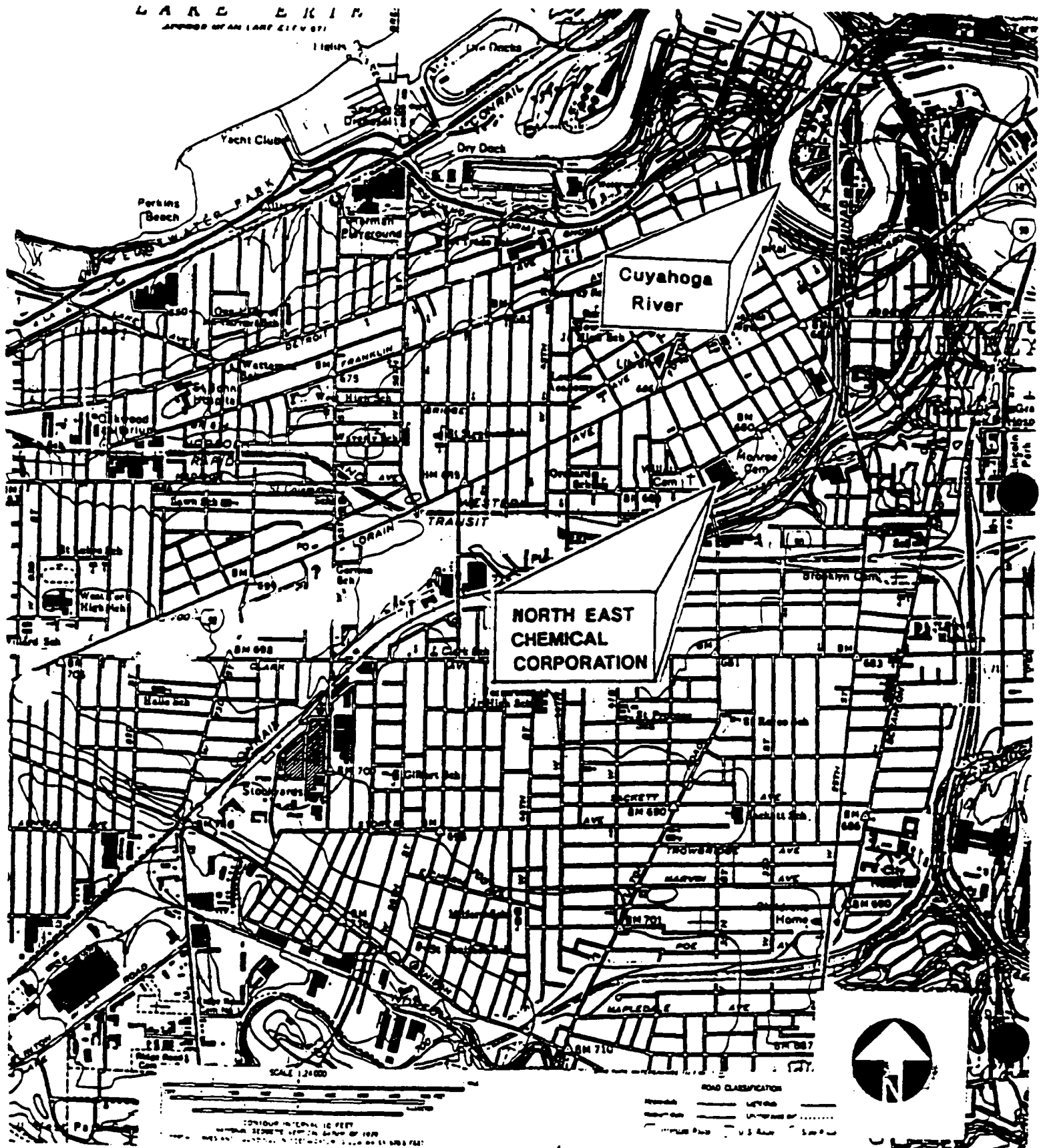
2.2 FACILITY OPERATIONS

North East began operations in 1983. Previous owners of the property now owned by NEC include Dow Beckman, Harshaw Chemical, and American Can Corporation. North East has subsequently expanded and acquired or is leasing property previously used by New Way Distributors, a hardware distributor, the Federal Bureau of Investigation, and a body shop.

North East initially operated as a solvent recovery facility, reclaiming solvents by distillation. In addition to solvent recovery, the facility currently processes nonhazardous and hazardous waste into fuels, compacts nonhazardous and hazardous waste solids into fuels, and handles oily waste waters.

North East receives a wide variety of waste streams, which are broadly classified below. North East receives paint waste from painting operations that is chiefly composed of used lacquer and paint thinners. The lacquer and paint thinners are typically composed of aromatic solvents such as toluene and xylene blended with ketones such as acetone, methyl ethyl ketone (MEK), methyl isobutyl ketone (MIBK), and other minor constituents. North East receives paint wastes composed of water and alcohols from water-dispersable paint systems. These wastes consist primarily of paint residue, water, and water-soluble alcohols such as butanols and isopropanols. Other paint wastes received include paint booth filters. North East receives architectural products such as caulking and sealants. These materials are generally compounded synthetic rubber products. North East receives used, off-specification, end-of-the-run paints. The paints vary in composition based on whether the paint is water-extendable or has

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been solvent-formulated. Paints received typically contain aromatic solvents, aliphatic solvents, ketones, and minor amounts of chlorinated solvents.

North East receives synthetic compounded rubber streams. These rubber streams may be chlorinated rubber, nonchlorinated rubber, butyl rubber, or other synthetic rubbers for various end-use industrial applications such as adhesives. These materials are typically in a mixed solvent base such as toluene, MEK, and higher-boiling aliphatic solvents. North East receives waste resins, still bottoms, and both hazardous and nonhazardous oils and oily waste water for processing (North East, 1990). Wastes are received both in drums and by tanker truck. Table 1 lists the specific chemicals in the wastes North East has received or may receive and their corresponding hazardous waste codes.

The North East solvent reclamation process consists of distillation at elevated temperature and reduced pressure. This process separates the lower boiling point solvents, which are transferred to clean solvent storage tanks, from the heavier adhesive, paint, or rubber residues which remain in the still. These residues are then transferred to the fuel processing system (North East, 1990a).

The clean solvent storage tanks were previously described in North East's revised Part B permit application (North East, 1983b). The cone-bottom tanks are stainless steel and have a 1,750-gallon capacity. The tanks are suspended above the floor by steel supports inside the facility (see Photo Nos. 11 and 12, Attachment B). The area below the tanks is contained by an 8-inch high concrete dike measuring 10 by 16 feet. These tanks were not discussed in North East's revised Part B in 1990 because they are clean solvent storage tanks. They are not included as SWMUs in this report.

North East's liquid fuel processing involves blending diverse flowable and nonflowable waste materials. The process blends waste streams accepted directly from generators, parts of other waste streams, and by-products of other facility processes. These by-products include tank bottoms, still bottoms, decanted water from clean solvent tanks, pure oil fractions from the oily waste waters received, and liquids derived from the solids compacting process. All these waste streams are blended in two 1,100-gallon tanks. The blended fuel is used by the cement kiln industry.

The North East solids compaction process handles materials that are not acceptable in the hazardous waste fuels processing operation. Materials handled by the compactor include rags, plastics, rubber, gloves, sorbent pads, and other miscellaneous material, much of which is saturated with waste (OEPA, 1990a). Liquids generated in the compaction process are pumped to

TABLE 1
NORTH EAST WASTES, BY CHEMICAL COMPOSITION
AND HAZARDOUS WASTE CODE

<u>Chemical</u>	<u>Hazardous Waste Code</u>
Mixed solvents	Characteristic waste D001
Corrosive	Characteristic waste D002
Reactive	Characteristic waste D003
Arsenic	Characteristic waste D004
Barium	Characteristic waste D005
Cadmium	Characteristic waste D006
Chromium	Characteristic waste D007
Lead	Characteristic waste D008
Mercury	Characteristic waste D009
Selenium	Characteristic waste D010
Silver	Characteristic waste D011
Tetrachloroethylene	Listed waste F001
Trichloroethylene	Listed waste F001
Methylene chloride	Listed waste F001
1,1,1-trichloroethane	Listed waste F001
Carbon tetrachloride	Listed waste F001
Chlorinated fluorocarbons	Listed waste F001
Tetrachloroethylene	Listed waste F002
Methylene chloride	Listed waste F002
Trichloroethylene	Listed waste F002
1,1,1-trichloroethane	Listed waste F002
1,1,1-trichloro-1,2,2-trifluoroethane	Listed waste F002
Ortho-dichlorobenzene	Listed waste F002
Trichlorofluoromethane	Listed waste F002
Xylene	Listed waste F003
Acetone	Listed waste F003
Ethyl acetate	Listed waste F003
Ethyl benzene	Listed waste F003
Ethyl ether	Listed waste F003
Methyl isobutyl ketone	Listed waste F003
n-butyl alcohol	Listed waste F003
Cyclohexanone	Listed waste F003
Methanol	Listed waste F003
Toluene	Listed waste F005
Methyl ethyl ketone	Listed waste F005
Carbon disulfide	Listed waste F005
Isobutanol	Listed waste F005
Pyridine	Listed waste F005

TABLE 1 (Continued)

**NORTH EAST WASTES, BY CHEMICAL COMPOSITION
AND HAZARDOUS WASTE CODE**

<u>Chemical</u>	<u>Hazardous Waste Code</u>
Cumene	Specific source K022
Naphthalene	Specific source K023
Naphthalene	Specific source K024
DAF Float	Specific source K048
Slop Oil Solids	Specific source K049
Heat Exchanger Sludge	Specific source K050
API Separator Sludge	Specific source K051
Tank Bottoms	Specific source K052
Aniline Bottoms	Specific source K083
Ink Wastes	Specific source K086
Phthalic Anhydride Light Ends	Specific source K093
Phthalic Anhydride Bottoms	Specific source K094
Acetone	U002
Acrylic Acid	U008
N-Butanol	U031
Creosote	U051
Cresols	U052
Methylene Chloride	U080
Ethyl Acetate	U112
Hydrazine	U133
Isobutyl Alcohol	U140
Methanol	U154
Methyl Ethyl Ketone	U159
Methyl Isobutyl Ketone	U161
I-Propanamine	U194
Resorcinol	U201
Toluene	U220
Toluene Diisocyanate	U223
Xylene	U239

Adapted from North East, 1990a.

a 365-gallon tank and subsequently transferred into the fuel processing operation. The compacted solids are used as a fuel source for rotary kilns by Marine Shale. North East has submitted analyses of the solid fuel indicating that its BTU value is adequate for it to be considered a fuel (North East, 1990b).

North East is currently trying to emulsify paint booth filters so they can be incorporated into the fuels processing operation. North East uses a small tank and nonhazardous oils for this treatment process. North East representatives consider the treatment process nonhazardous.

North East accepts oily waste waters for separation. These wastes are stored in a 6,000-gallon tank. Tank bottoms and oils are used in the facility fuel processing operation. The remaining mixed oil and water phase is manifested and disposed of. These oily waste waters were previously considered nonhazardous and were stored outside in 55-gallon drums. Currently, they are stored in tank P-013 and are regulated under RCRA.

Table 2 lists SWMUs identified during the PA/VSI, and their regulatory status. Figure 2 indicates the locations of all SWMUs (except SWMU 6 and 7 which have been removed).

2.3 RELEASE HISTORY

No releases of hazardous wastes at the North East facility have been previously documented.

2.4 REGULATORY HISTORY

North East filed a notification of hazardous waste activity and a RCRA Part A and Part B permit application with Ohio EPA on June 9, 1983. The Part A application specified 2,000 gallons of drum storage capacity and 7,000 gallons of tank storage. Identified waste streams included F001, F002, and D001. North East submitted a revised Part A and Part B in December 1983 providing additional information. North East submitted another revised Part A on April 18, 1985. Significant changes included the addition of 53,000 gallons of drum storage capacity, 23,500 gallons of tank storage capacity, 24,000 gallons per day of tank treatment capacity, and 5,000 gallons per day of vacuum distillation treatment capacity. North East also added D002, F003, F004, F005, and U080 to the types of hazardous wastes they had listed earlier. Ohio EPA filed a completeness review of the North East Part B application with U.S. EPA on January 16, 1986. North East resubmitted a revised Part A and Part B on March 14, 1990. This revision indicated additional storage and treatment capacity, portions of which have not been added to date. North East also expanded its list of hazardous waste types handled.

SECOND FLOOR OFFICES ABOVE

SWMU 11

SWMU 13

SWMU 8

30'

Dock Unloading Area

North East Loading Dock

Lab

SWMU 1 - Drum Storage Area No. 1

SWMU 9

Processing Area

SWMU 10

SWMU 12

AOC 1

BOILER

STORAGE ROOM

UTILITY BUILDING

PLANT MAINTENANCE

AOC 2

SWMU 4

SWMU 3

AOC 3

SWMU 5

SWMU 2

AOC 5

AOC 4

KEY TO SWMUs & AOCs ON FOLLOWING PAGE

FIGURE 2
SWMU AND AREA OF CONCERN

SWMU 11

SWMU 13

SWMU 8

30

Dock Unloading
Area

North East Loading Dock

Lab

SWMU 1 -- Drum Storage Area No 1

SWMU 9/1

Processing Area

SWMU 10

10 ✓

10 ✓

—

ROOM

PLANT
MAINTENANCE

- A4

SWA

1

1

AOC

ACC 5 (104 figure)

KEY TO SWMUs & AOCs ON FOLLOWING PAGE

SYNOPSIS:

AGC 5

AOC 4

FIGURE 2
SWMU AND AREA OF CONCERN LOCATION MAP

Note SWMU 6 and 7 have been removed and are not shown

APPROXIMATE SCALE:
1 INCH = 30 FEET

TABLE 2
SOLID WASTE MANAGEMENT UNITS (SWMUs)
NORTH EAST CHEMICAL CORPORATION

<u>SWMU Number</u>	<u>SWMU Name</u>	<u>RCRA Hazardous Waste Management Unit*</u>	<u>Status</u>
1	Drum storage area No. 1	Y - Storage	Active
2	Drum storage area No. 2	N	<90-day storage of hazardous wastes, Active
3	Oily waste water tank - P-013	Y - Storage	Active
4	Generator solvent tank - T-002	Y - Storage	Active
5	Hazardous waste fuel tanks - T-010, T-011, T-012	Y - Storage	Active
6	Old solvent tanks - T2, T4, T5	Y - Storage	Inactive: Tanks removed**
7	Old sludge tank - ST	Y - Storage	Inactive: Tanks removed**
8	Solids compactor	N	Exempt treatment, Active
9	Fuel blending tanks	N	Exempt treatment, Active
10	Distillation tanks - R1, R2	Y - Treatment	Active
11	Paint booth filter tank	N	Active
12	Underground overflow tank	N	Inactive
13	Warehouse drum storage area	N	<90-day storage of hazardous waste, Active

Notes:

* A RCRA hazardous waste management unit is one that currently requires a RCRA permit.

** Inactive units have not undergone RCRA closure.

North East does not have a NPDES discharge permit since the facility does not discharge any waste waters. The facility does have Clean Air Act (CAA) permits on record for five industrial boilers, and their underground storage tank. CAA permit applications have been filed for two distillation tanks and all of North East's storage tanks. The status of these applications is unknown. North East does not have permit applications on record for their two hazardous waste fuel processing tanks.

2.5 ENVIRONMENTAL SETTING

The following sections describe the climate, area soils and surface waters, and area geology and hydrogeology.

2.5.1 Climate

The climate in Cleveland can be classified as mild continental and is moderated by the city's proximity to Lake Erie. The average daily maximum and minimum temperatures are 59.1° F and 41.1° F, respectively. The average daily high in July is 82.4° F, and the average daily low in January is 19.5° F. Cleveland averages 35.4 inches of precipitation annually, distributed evenly throughout the year. Cleveland averages 52.5 inches of snow annually, most of which falls from December through March (USDA, 1980).

2.5.2 Area Soils and Surface Waters

Soils in the area of the facility can generally be classified as udorthents, loamy (Ua) and urban land - Elnora complex, nearly level (UeA). Ua soils are found in areas of cut or fill. In cut areas, the remaining soil material is typically similar to the subsoil or substratum of adjacent soils. In fill areas, the soil material can be more varied and is generally similar to the subsoil and substratum of nearby soils. UeA soils consist of urban land and a deep, nearly level, moderately well drained Elnora soil. The urban land "soils" are streets, buildings, parking lots, and graded gravels. The true soils present beneath them cannot be identified. The Elnora soil consists of very friable, loamy, fine sand. The topography in the vicinity of the facility is level, therefore, the soils are flat-lying (USDA, 1980).

The urban land soils at the facility consist of asphalt, concrete, and crushed gravel. Udorthent soils at the facility consist of fill made up primarily of foundry sand.

The permanent surface water body nearest to the site is the Cuyahoga River over 1 mile to the northeast. Surface runoff from the facility primarily enters the storm sewer system.

During heavy rains, some runoff may travel to the southwest toward rail lines in a topographically lower area. However, no evidence of any intermittent channel exists in this lower area. The facility is outside the 100-year flood plain.

2.5.3 Geology and Hydrogeology

Cuyahoga County is located over the northern end of the Appalachian Plateaus Physiographic Province and the Eastern Lake Section of the Central Lowland Physiographic Province. The facility lies on the Lake Plain of the Eastern Lake Section. The Lake Plain abruptly rises 30 to 50 feet from the shoreline to form a steep, wave-cut cliff. This cliff is breached in areas by stream valleys that drain northward to Lake Erie. The surface of the Lake Plain slopes smoothly from the escarpment that divides the two provinces to Lake Erie (Ford, 1987).

Unconsolidated glacial deposits above bedrock in the Lake Plain area are typically less than 40 feet thick. These materials consist of lacustrine silts and clays, fluvial sands and gravels, and three distinguishable units of the Lavery Till. The clay composition of the tills is very similar to that of the adjacent shale bedrock. The Lavery Tills are less than 32 feet in combined thickness (Ford, 1987).

The surficial bedrock in Cuyahoga County consists of flat-lying Paleozoic shales and sandstones that range in age from late Devonian to early Pennsylvanian. The bedrock unit below the glacial deposits beneath the site includes Devonian Ohio Shale and Mississippian Bedford Shale. The Ohio Shale consists of the Chagrin and Cleveland Members. The Chagrin Shale is medium-to thick-bedded, and contains thin, irregular interbeds of siltstone or sandstone and is soft and clayey when weathered. The Cleveland Member is thin-bedded and weathers to thin, slaty fragments. The Bedford Shale is a soft clay shale that has interbeds of fine sandstone with concretions.

The glacial sediments may contain perched water-bearing zones but do not produce any sustained ground-water yield. The bedrock well closest to the facility and completed in shale of the Ohio or Bedford formation is 72 feet deep. However, it yields no water. About 1/4 mile to the east of the facility, glacial sediments grade into the buried valley deposits of the ancient Cuyahoga River. These deposits are 200 to 300 feet thick and consist of fine-grained silts and sands. They typically yield between 3 and 10 gallons per minute (Ford, 1987). No additional information on these potential perched water bearing zones was identified during the PA/VSI.

2.6

RECEPTORS

The North East facility is in a predominantly residential area in Cleveland, with many homes located less than 1,000 feet from the facility. On-site access is restricted by a fence and locked gate, but during business hours the gate was found to be open. Therefore, there is potential for on-site exposure to area residents.

The highest concentration of residences near the facility is to the north, which is also the predominant downwind direction from the facility. Prevailing southerly winds are most frequent in summer, when exposure to volatile organics would be greatest. Therefore, the potential for exposure to airborne contaminants exists if a release was to occur at the facility.

The nearest surface water receptors would be people using the Cuyahoga River for recreational use. However, the distance between the facility and the Cuyahoga River (about 1 mile) makes a direct surface water discharge highly unlikely. However, a discharge to a nearby storm sewer could affect downgradient surface water quality.

As discussed in Section 2.5, sediments and bedrock beneath the facility are not amenable to ground-water use because of low yields. In addition, the municipality of Cleveland draws its drinking water exclusively from Lake Erie.

3.0 SOLID WASTE MANAGEMENT UNITS

This section describes in detail the SWMUs identified during the PA/VSI process. It includes a description of the unit, dates of operation, wastes managed, release controls, release history, and observations.

SWMU 1

Drum Storage Area No. 1

Unit Description: The existing container storage area (see photographs no. 6, 7, 9, and 10) covers 7,520 square feet of floor area and has the capacity to hold up to 1,000 drums stacked two high (North East, 1990a). The storage area is floored with approximately 3-inch thick end cut wood blocks that are tightly packed and without observable gaps. The blocks are underlain by a 6-inch thick concrete slab. Two 8-inch high concrete partitions are also present to separate any incompatible wastes. Wastes are primarily stored in drums stacked in rows two drums wide. Wastes are also stored in 365-gallon minitanks.

Date of Start-up: North East initially indicated use of this storage area on its revised Part A permit application submitted on April 18, 1985. However, North East may have been using this area as early as 1983.

Date of Closure: This storage area is currently in use.

Wastes Managed: Drummed wastes stored in this SWMU include used solvents, paints, adhesives, resins, and other organic wastes, most of which contain free liquids. A list of specific wastes that may be stored in this area is presented in Table 1.

Release Controls: North East's revised Part B (North East, 1990a) states that the storage area is contained by a 3 1/2-inch high curb at the perimeter with a containment volume of 16,500 gallons. However, the 8-inch concrete block dike separating the processing area from the storage area has been partially removed. Therefore the two are not isolated from each other. Nevertheless, the processing area is also diked. This dike will prevent any spills originating in the storage area from reaching the processing area.

History of Release: No releases have been reported.

Observations:

The floor of the storage area was stained and gummy in some areas, possibly indicating that small spills or leaks had previously occurred. Some drums (see Photo no. 10) were stored close enough to doors that if they tipped over and opened, a release outside the containment area could occur. However, there was no evidence that this had occurred. According to North East's revised Part B (North East, 1990a), 112 drums could be stored in the dock unloading area (see Figure 2 and Photo no. 6). This dock unloading area is outside the contained storage area, and a spill in this area could run down to the truck dock floor and into a sewer opening (see Photo no. 5). However, North East stated that the slope of the dock floor would contain 600 gallons of liquid before any liquid entered the sewer. In addition, North East representatives stated that a maximum of five full drums are held in the dock unloading area before being moved to the diked storage area. During the VSI, only empty drums were observed in the dock unloading area.

In conducting air monitoring with a photoionization detector (HNU) for measuring volatile organics, PRC detected total organic vapor concentrations ranging between 1 and 15 parts per million in drum storage area number 1 (SWMU 1), the processing area, and the laboratory. North East stated that comprehensive air monitoring for specific organic contaminants of concern was conducted by the Occupational Safety and Health Administration (OSHA), and the contaminant levels were well below industry standards.

SWMU 2**Drum Storage Area No. 2**

Unit Description: This storage area is located outside and is not covered, as shown in Figure 3. It measures approximately 30 by 56 feet and is concrete-floored. Two sides of this area used to be bounded by 6-foot high concrete block walls. A portion of this area was originally designated as a hazardous waste drum storage area on North East's Part B permit application (North East, 1983a). During the VSI, North East claimed that this area was never used for hazardous waste storage. The revised Part B submitted by North East on April 7, 1985, did not identify this area as a regulated storage area.

Date of Start-up: This area was listed on North East's initial permit application in 1983 (North East, 1983a).

Date of Closure: This SWMU has not been used since about 1987. North East has not submitted a certification of closure for this unit.

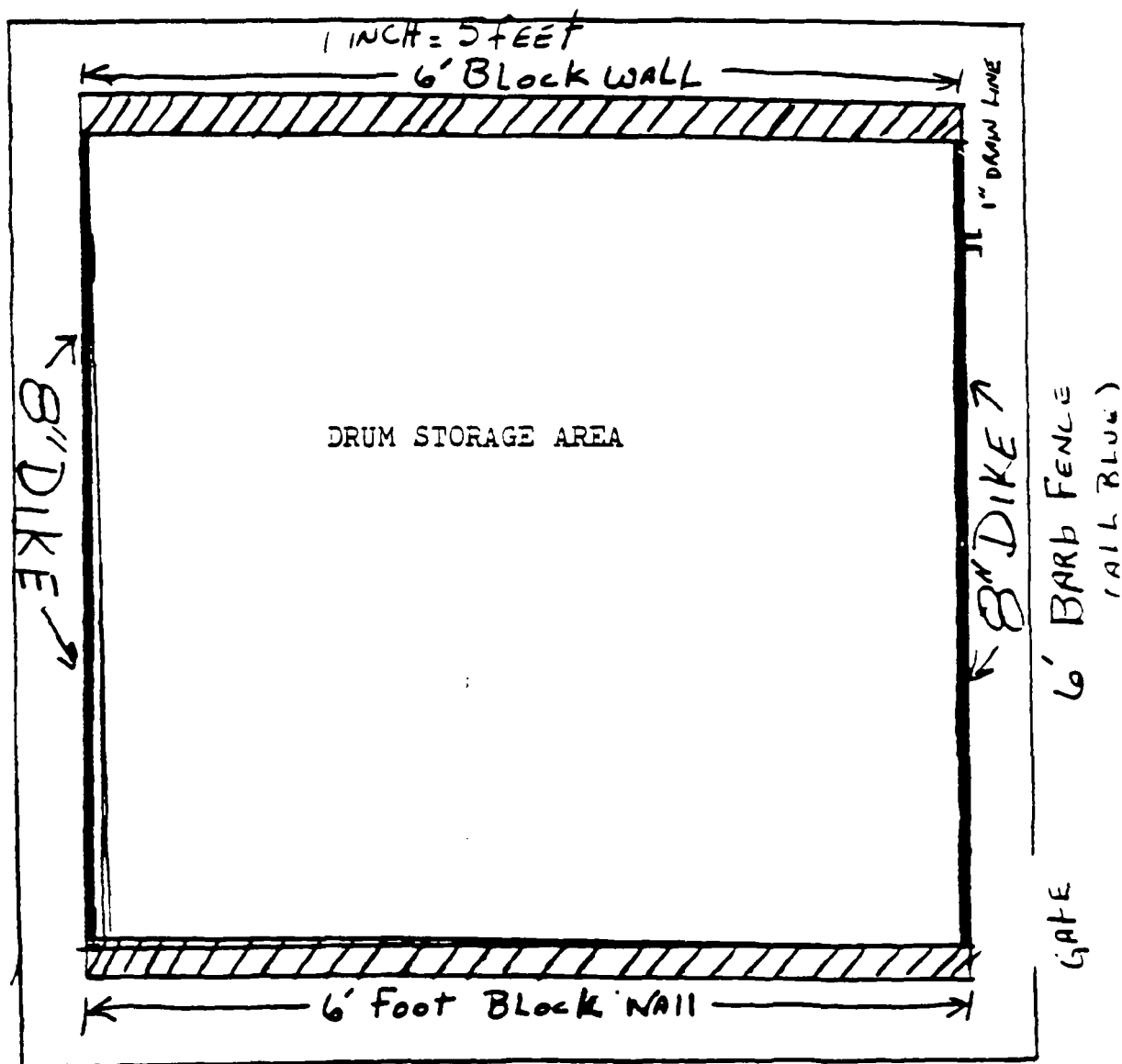
Wastes Managed: The wastes North East intended to store in this area included aromatic and aliphatic hydrocarbons, ketones, alcohols, esters, chlorinated solvents, and minor pigments and resins. However, North East claims that only nonhazardous oily wastewaters were stored here. North East stored up to 100 drums of oily wastewater in this area. North East currently receives some hazardous oily wastewater and stores it in tank P-013.

Release Controls: North East's 1983 permit applications (North East, 1983a; 1983b) indicated that a 25 by 25 foot area of the 30 by 56 foot concrete surface was bounded by 6-foot high concrete block walls on 2 sides and 8-inch high dikes on two sides (see Figure 3). The entire area was surrounded by 6-foot high barbed wire fence. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: The pre-existing containment structures could not be evaluated because they have been removed. Currently, only the concrete floor and concrete block foundation remains. North East stated that since the installation of the oily wastewater storage tank (P-013) in 1987, this area has not been used for drum storage. No evidence of previous spills was observed on or around the concrete pad.

FIGURE 3
SWMU 2 -- DRUM STORAGE AREA NO. 2



SWMU 3**Oily Wastewater Storage Tank (P-013)**

Unit Description: This storage tank is a 6,204-gallon carbon-steel tank with welded seams (see Photo nos. 25 and 27). It is 8 feet in diameter by 16 feet high and is structurally supported over an 8-inch thick, reinforced concrete slab foundation (North East, 1990a). It has the following openings:

- 1 -- 18-inch manway on the side, 15 inches from the bottom of the tank;
- 5 -- 2 1/2-inch openings with 2-inch valves at 36-inch intervals on the tank side starting at 3 inches above the base
- 2 -- 2-inch top openings
- 1 -- 4-inch top opening

Date of Start-Up: North East began using this tank in 1987.

Date of Closure: This tank is currently in active use.

Wastes Managed: North East receives and stores hazardous and nonhazardous oily wastewater in this tank. Rainwater that accumulates in the diked area of the tank farm is also pumped to this tank through a valve outlet at the south end of the diked area (see Photo no. 28).

Release Controls: Tank P-013 is one of five tanks in a tank farm surrounded by a 4-foot high, impervious concrete block dike. The volume of the contained area (approximately 30 by 40 feet) is significantly greater than the volume of the tank. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: The tank appeared to be in good physical condition at the time of the VSI. The immiscible water and oils and the tank bottoms are blended into the North East hazardous waste fuel production process. The remaining oily wastewaters are shipped off-site for disposal.

SWMU 4**Generator Solvent Tank (T-002)****Unit Description:**

This storage tank (see Photo nos. 25, 27) is a 4,037-gallon carbon-steel tank with welded seams. It is 7 feet in diameter by 9 feet high and is structurally supported over an 8-inch thick concrete slab foundation (North East, 1990a). It has the following openings:

- 1 -- 18-inch manway on the side, 18 inches from the bottom of the tank
- 1 -- 2-inch fill line
- 1 -- 2-inch vent line
- 1 -- 6-inch sight opening
- 1 -- 3-inch drain line
- 2 -- 2-inch plug lines one on the bottom and the other 6 inches up from the bottom on the side of the tank.

Pressure/vacuum relief (4-inch) and emergency (8-inch) vents have been installed according to National Fire Prevention Association code.

Date of Start-up:

This tank was originally designated T1 with a rated capacity of 2,590 gallons (North East, 1983b). It has been in operation at North East since 1983.

Date of Closure:

This tank, currently designated T-002, is still active.

Wastes Managed:

This tank is used for storage of incoming waste solvents and lacquer thinners that are to be reclaimed after distillation. These wastes include a wide variety of chlorinated solvents, aliphatic and aromatic hydrocarbons, ketones, alcohols, and esters. They are listed as D001, F001, and F002 hazardous wastes (North East, 1983b). North East stated that their incoming waste streams have changed to predominantly non-chlorinated solvents classified as F003 and F005 hazardous wastes.

Release Controls:

This tank has the same secondary containment as was described for SWMU 3. The unit is not located near any open drains.

History of Release:

No releases have been reported.

Observations: This tank appeared to be in good physical condition at the time of the VSI. North East stated that tanker truck loads that could not be put directly into the two process distillation tanks were stored in Tank T-002.

SWMU 5 Hazardous Waste Fuel Storage Tanks (T-010, T-012, and T-011)

Unit Description: Storage tanks T-010 and T-012 are identical, measuring 10 feet in diameter by 10.8 feet high (see Photo nos. 25 and 26). They are 8,813-gallon carbon-steel tanks with welded seams and the following openings:

- 1 -- 4-inch fill line
- 1 -- 2-inch vent line;
- 1 -- 3-inch drain line
- 1 -- 4-inch pressure/vacuum relief
- 1 -- 8-inch emergency venting

Both of these tanks have agitating systems to keep their contents mixed.

Storage tank T-011 is a 9,618-gallon, horizontal, carbon-steel tank with welded seams. It is 10 feet in diameter by 12.5 feet long (see Photo no. 26). It has the following openings:

- 1 -- 4-foot top manway
- 1 -- 4-inch fill line
- 1 -- 2-inch top vent line
- 1 -- 3-inch bottom drain line
- 1 -- 4-inch pressure/vacuum relief
- 1 -- 20-inch emergency venting

All three tanks are structurally supported over an 8-inch concrete slab foundation (North East, 1990a).

Date of Start-up: North East listed T-010 and T-011 on their April 18, 1985, revised Part A permit application (North East, 1985). North East stated that T-012 was brought on-line in summer 1987.

Date of Closure: All three tanks are currently active.

Wastes Managed: North East stated that T-010 and T-012 are used for storage of their blended hazardous waste fuel before shipment, and that T-011 is used to hold the thinner incoming hazardous wastes that are to be incorporated into the fuel blending process. These wastes are brought in both by tanker truck and in drums. They may include any of the specific waste types listed in Table 1. Because T-010 and T-011 were operational before North East conducted significant fuel blending, these tanks also probably handled wastes associated with the North East solvent reclamation business.

Release Controls: All three tanks are within the area contained by a 4-foot high concrete block dike. The volume of this containment area is greater than the combined volume of all the tanks within this area. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: All three tanks appeared to be in good physical condition.

SWMU 6 Old Storage Tanks (T2, T4, and T5)

Unit Description: Storage tank T2 was a 1,905-gallon carbon-steel tank measuring 6 feet in diameter by 9 feet high. Storage tanks T4 and T5 were 770-gallon carbon-steel tanks measuring 4 feet in diameter by 8 feet high. All three were structurally supported over a concrete slab base.

Date of Start-Up: All three tanks were described in North East's initial Part A and Part B permit applications (North East, 1983a).

Date of Closure: North East stated that these tanks were taken off-line in about June 1987, flushed out with a fuel and water mixture, and scraped clean. They were then temporarily stored at SWMU 2. They were cut up and scrapped in about October 1987. A certification of closure was not completed.

Wastes Managed: Tank T2 was used to handle incoming dirty solvents for reclamation. The specific wastes handled were the same as those described for tank T-002, SWMU 4. Tanks T4 and T5 were used for storage of clean solvent, although North East states that they were infrequently used.

Release Controls: Photographs from North East's permit applications (North East, 1983a; 1985) indicate that the concrete slab over which these tanks were located was enclosed by a concrete block dike approximately 8 inches high. The volume of this secondary containment is unknown.

History of Release: No releases have been reported.

Observations: The tanks and secondary containment have been removed. Therefore no physical observations could be made.

SWMU 7 Old Sludge Tank (ST)

Unit Description: The sludge tank was a 1,935-gallon carbon-steel tank measuring 6 feet, 5 inches in diameter by 8 feet high. It was structurally supported over a concrete slab (North East, 1983a).

Date of Start-up: The sludge tank was described in North East's initial Part A and Part B permit applications in 1983 (North East, 1983a).

Date of Closure: North East stated that this tank was taken off-line in about June 1987, flushed out with a fuel and water mixture and scraped clean. It was then temporarily stored at SWMU 2. It was cut up and scrapped in about October 1987. A certification of closure was not completed.

Wastes Managed: The sludge tank was used to store still bottoms generated in North East's distillation tanks. Before the facility began hazardous waste fuel production, these still bottoms were disposed of as hazardous waste.

Release Controls: Photographs from North East's permit applications (North East, 1983a; 1985) indicate that the concrete slab over which this tank was located was enclosed by a concrete block dike approximately 8 inches high. The volume of this secondary containment is unknown.

History of Release: No releases have been reported.

Observations: The tank and secondary containment have been removed. Therefore no physical observations could be made.

SWMU 8**Solids Compactor**

Unit Description: The solids or drum compactor (see Photo no. 23) is a hydraulic steel press that measures about 3 feet square and 12 feet high. It is operated in conjunction with a suction pump that removes any free liquids as the solid waste is being compacted. The liquids are pumped directly to a 365 gallon minitank.

Date of Start-up: The exact date is unknown, although it was sometime in 1988 or 1989.

Date of Closure: This unit is still in operation.

Wastes Managed: North East compacts waste that cannot be liquified as part of its fuels processing. North East submitted waste compacted by the solids compactor for BTU analysis to show that it was usable as a fuel source. The five samples tested contained paper wrappings coated with dried paint sludge, clay floor dry (a spill cleanup material), solvent-contaminated rags, rubber gloves, cloth bag filters, plastic drum liners coated with adhesives, solid resins, plastic drum caps, and rubber drum gaskets (North East, 1990b).

Release Controls: The solids compactor is located directly on top of interlocking, end-cut wood blocks. These blocks are underlain by a concrete slab floor. There is no secondary containment outside the compactor, which relies on the suction pump to remove liquids generated during compaction. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: No significant leaks or spills from this unit were observable at the time of the VSI. Solids compacted in this unit are drummed and sent to Marine Shale Processors for use as hazardous waste fuel. The liquids generated are blended into the North East fuels process.

SWMU 9**Fuel Blending Tanks**

Unit Description: North East operates two 1,100-gallon hazardous waste blending tanks in which water, nonhazardous liquid and solid wastes, and hazardous liquid and solid wastes are blended and emulsified into hazardous waste fuel.

The tanks are located against the north wall of the processing area (see Figure 2) behind the blue curtain shown in Photo no. 14. A detailed description of these tanks could not be obtained because of the proprietary nature of the process. Both are located over interlocking end-cut wood blocks underlain by an 8-inch thick concrete slab.

Date of Start-up: North East began operating these tanks sometime between 1985 and 1987.

Date of Closure: Both tanks are currently operational.

Wastes Managed: These tanks blend a wide variety of liquid and solid wastes, including the still and tank bottoms North East generates. A complete list of all the wastes possibly processed by this unit is included in Table 1.

Release Controls: The entire processing area, which includes the two fuel blending tanks, is contained by a 3 1/2-inch concrete dike. Portions of the processing area are also separated from other areas by 8-inch concrete block partitions (see Photo no. 13). The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: The floor near the process tanks was sticky, and the area where the drum contents were transferred to the tanks showed evidence of previous spillage. Sorbent pads and materials stored in the processing area are used to clean up small spills. There was no evidence of spills outside the localized processing area.

SWMU 10 Distillation Tanks (R1 and R2)

Unit Description: North East operates two distillation tanks for used solvent reclamation (see Photo nos. 13 and 14). R1 is a 1,750-gallon stainless-steel, jacketed agitated reactor. It is 5.8 feet in diameter and 7.5 feet high. It has 2-inch internal heating coils. R2 is a 750-gallon stainless-steel, jacketed agitated reactor. It is 5 feet in diameter and 5.5 feet high. It has 1-inch external heating coils (North East, 1983b). Both tanks are located in the processing area (see Figure 2) over the wood block and concrete floor.

Date of Start-up: Both tanks were listed on North East's initial permit application and were installed at the facility startup in 1983.

Date of Closure: Both tanks are active.

Wastes Managed: These tanks are used to reclaim incoming waste solvents and lacquer thinners. Wastes include a wide variety of chlorinated solvents, aliphatic and aromatic hydrocarbons, ketones, alcohols, and esters. These wastes are listed as D001, F001, and F002 hazardous wastes (North East, 1983b). North East stated its incoming hazardous waste streams are now predominantly nonchlorinated solvents, classified as F003 and F005.

Release Controls: The entire processing area, including the two distillation tanks, is contained by a 3 1/2-inch concrete dike. Portions of the processing area are separated from other areas by 8-inch concrete block partitions (see Photo no. 13). The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: Both tanks appear to be in good physical condition. There was no evidence of release from either tank.

SWMU 11 Paint Booth Filter Tank

Unit Description: The paint booth filter unit (see Photo nos. 20 and 24) is a small, portable steel process tank (the approximate dimensions are 8 feet by 8 feet). It is located in the warehouse area that North East currently uses for storage of drummed solids. Because of the proprietary nature of this process, additional information on this unit could not be obtained.

Date of Start-up: The tank became operational in 1990.

Date of Closure: The tank is currently active.

Wastes Managed: North East stated that the material being processed by this unit consists of an opaque, powdery to granular solid with dried paint and paper filters. North East mixes this material with nonhazardous oils in an attempt to render it suitable for subsequent blending into the fuels process.

Previously this material was sent off-site for incineration. Two laboratory tests run on this material (see Attachment D) indicate that it is of variable composition. One test detected no organic solvents. Another detected xylene, toluene, MIBK, and butyl alcohol (IPA) as organic compounds. The shipment was also manifested D007 and D009, indicating the presence of chromium and mercury. No metals analysis was available.

Release Controls: There is no secondary containment for this unit. The processing tank is located directly over the interlocking, end-cut wood block floor that is underlain by a concrete slab. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations: There was no evidence of any spills around this unit.

SWMU 12 Underground Overflow Tank

Unit Description: This 10,000-gallon tank is located under the 8-inch concrete foundation in the processing area. It has an opening about 3 feet in diameter at the ground surface in the process area (see Photo no. 16). This opening has a 2-inch high concrete dike around it to prevent minor spills from entering, and it is covered by a metal plate. The tank also has an outside access filling port, indicating that it may be oriented east-west lengthwise with part of the tank outside of the processing area (see orientation in Figure 2). Previous permit applications submitted by North East have placed the tank completely within processing area boundaries. Its exact orientation is still unresolved.

Date of Start-up: This tank was in place before North East's start-up at this site.

Date of Closure: North East stated that the remaining oil, sludge, and water was removed from this tank in late 1988 and that the tank was subsequently filled with limestone screening (concrete).

Wastes Managed: Until this tank was removed from service, it was used by previous owners to store oil for the boilers. North East designated it as a processing area spill overflow tank so that any spills greater than 2 inches deep would

enter this tank. Before NEC removed the tank from service, it contained remnant oil, sludge, and water.

Release Controls: The integrity of this underground tank is unknown.

History of Release: No releases have been reported.

Observations: The ground surface opening to the tank, located in the processing area, appeared to be adequately sealed at the time of the VSI.

SWMU 13 Warehouse Drum Storage Area

Unit Description: The entire warehouse drum storage area is about 30,000 square feet and is completely enclosed. It has a maple end-cut wood block floor over a concrete slab foundation (same design as the other indoor drum storage area and the processing area). Photograph nos. 19 and 20 show a large portion of the warehouse area. Drums of waste materials are currently stored in the three areas indicated in Figure 2. The drums are stored either on pallets or on the floor.

Date of Start-up: North East began using this area in March 1990.

Date of Closure: This area is currently in use.

Wastes Managed: The three areas indicated in Figure 2 contain drums of solid waste awaiting compaction at the solids compactor (SWMU 8 -- see Photo no. 19), drums of waste paint booth filters awaiting processing at SWMU 11, and drums of compacted solid waste to be transported to Marine Shale Processors for use as a fuel source (see Photo no. 22). Other drums stored in the warehouse include drums of reclaimed solvent awaiting transport to the generator (see Photo no. 20), fiber drums (see Photo no. 21), and some empty and plastic drums.

Release Controls: There are no secondary containment structures present in this area. The unit is not located near any open drains.

History of Release: No releases have been reported.

Observations:

There was no evidence of release from drum storage areas in the warehouse. None of the drums was in poor physical condition. All the accumulation start dates checked indicated that the drums were being stored less than 90 days.

4.0 AREAS OF CONCERN

PRC identified six AOCs during the VSI. These areas are:

1. Empty drum staging area
2. Laboratory sample storage area
3. Truck transfer area
4. Former underground storage tanks
5. Outdoor drum storage area
6. Trash pile

The first three AOCs are located on North East owned or leased property. The last three AOCs are not located on North East property. However, AOCs 4, 5, and 6 are located on contiguous property (as defined in the proposed corrective action rule -- 55 FR 30807, July 27, 1990) owned by the same person who leases land to the North East facility. According to the proposed corrective action rule, these AOCs would also be subject to the corrective action requirements. However, the status of these AOCs (4, 5, and 6) may change after the final corrective action regulations are promulgated.

AOC 1

The empty drum staging area is located outdoors between the North East processing area and the utility building (see Figure 2 and Photo no. 17). After removing waste materials from the drums, North East allows them to drip "dry" and then scrapes out remaining solids, so the drums are considered "RCRA empty" (containing less than 1 inch of waste in the bottom). These drums are then staged indoors near the processing area to await pickup by Bakerstown Container for reconditioning. Waste drippings and scraped solids are collected and handled with other liquid and solid materials. If more empty drums accumulate than can be staged indoors, they are also staged outdoors. During the VSI, a brief rain shower occurred. The resultant runoff contained liquid wastes that had been removed from the "empty" drums. The wastes were carried downslope by the runoff. The runoff subsequently ponded in a grassy area beneath the on-site water tower. During a heavy rain, this runoff would have the potential to enter a storm sewer and ultimately a surface water body. Runoff could potentially penetrate soils and ultimately any underlying ground water (ground water is not used for drinking water supply). In addition, volatile compounds in such runoff might be released to air.

AOC 2

The laboratory sample storage area is located inside the plant maintenance building (see Photo nos. 3 through 5). North East stores all the samples it uses to profile incoming waste streams. The samples are stored in 8-ounce glass jars in labelled boxes on steel shelves. After 6 months, any excess sample is disposed of (typically it is incorporated into North East's fuels processing). The original sample from which the profile was obtained is retained indefinitely. No secondary containment or segregation of potentially incompatible samples was observed.

AOC 3

The truck transfer area is where bulk hazardous wastes, oily wastewaters, and outgoing reclaimed solvents or fuels are transferred between tanker trucks and storage tanks. This area is gravel-floored and has no containment structures for spillage. During the VSI, staining was observed on the outside of the 4-foot containment dike (see Photo no. 25), indicating probable spillage during material transfer. The frequency of such incidents is unknown, but no releases have been reported. Released wastes or fuels would probably soak into the ground beneath the gravels, although a large release or a release during a rain event could run off into a storm sewer. In addition, runoff could penetrate soils and any underlying ground water (ground water resources in the vicinity are low and not used for drinking water supply) and volatile components could be released to air.

AOC 4

During the VSI, North East stated that the southeast corner of the property inside the fence line (see AOC 4 in Figure 2 and Photo no. 29) contained six 10,000-gallon underground tanks. These tanks were used by Certified Refiners between 1983 and 1986 for storage of gasohol. These tanks were removed in 1986, and the area was backfilled. No information was available on the integrity of these tanks or on whether any sampling was conducted as part of the tank removal.

AOC 5

AOC 5 is an outdoor storage area containing drums of unknown material (see Figure 2 and Photo nos. 32 and 33). North East stated that the owner of this property had stored these drums since 1984. They were originally on a concrete slab. However, because of their deterioration, a drum containing waste aluminum paste became reactive and began smoking in February 1990. An emergency response team overpacked 93 of the drums and moved them onto

a plastic liner over gravel. The area was also enclosed by a 6-foot high barbed wire fence. North East stated that a number of the drums that were in poor condition were moved to a concrete pumphouse just beyond the fenceline on the southern boundary of the facility in 1989, before the emergency response. The extent of release from these drums is unknown.

AOC 6

PRC identified a large trash pile within the fenceline west of the facility (see Photo nos. 30 and 31). This pile included railroad ties, scrap metal, old tank vessels, and miscellaneous debris. Whether this material contains any hazardous substances is unknown. The trash pile is located over gravel and dirt. Vegetation in the immediate vicinity of the pile did not appear to be stressed.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The PA/VSI identified 13 SWMUs and 6 AOCs at the North East Chemical (NEC) facility. Background information on the facility's location, operations, waste generating processes, release history, regulatory history, and environmental setting is presented in Section 2.0. SWMU-specific information, such as the unit's description, types of waste managed, release controls, release history, and visual observations is discussed in Section 3.0. AOCs are discussed in Section 4.0. Following are PRC's conclusions and recommendations for each SWMU and AOC.

SWMU 1 Drum Storage Area No. 1

Conclusions: The potential for releases to ground water, surface water and soil is low because spills would be contained in the storage and processing areas. Although there is evidence that small spills have occurred, the unit is located inside and it is unlikely a spill would result in an air release. Therefore, the potential for air release beyond the facility boundaries is also low.

Recommendations: North East should not include the dock unloading area as part of its drum storage area since adequate secondary containment is not present.

SWMU 2 Drum Storage Area No. 2

Conclusions: The potential for release to ground water, surface water, air or soils from this unit is low. The previous potential for release cannot be evaluated due to lack of information.

Recommendations: Because it cannot be determined whether this unit ever stored hazardous wastes and because it was listed as a storage unit on North East's 1983 permit applications, soil sampling should be conducted to determine whether hazardous wastes remain and, if so, the unit should be properly closed.

SWMU 3 Oily Wastewater Storage Tank (P-013)

Conclusions: The primary and secondary containment for this tank appeared to be in good condition. Therefore the threat of release to ground water, surface water, air or soils from this tank is low.

Recommendations: No further action is needed for this SWMU.

SWMU 4 Generator Solvent Tank (T-002)

Conclusions: The primary and secondary containment for this tank appeared to be in good condition. Therefore the threat of release to ground water, surface water, air and soils from this tank is low.

Recommendations: No further action is needed for this SWMU.

SWMU 5 Hazardous Waste Fuel Storage Tanks (T-010, T-012, and T-011)

Conclusions: The primary and secondary containment for these tanks appeared to be in good condition. Therefore the threat of release to ground water, surface water, air and soils from this SWMU is low.

Recommendations: No further action is needed for this SWMU.

SWMU 6 Old Storage Tanks (T2, T4, and T5)

Conclusions: Because no previous releases from this SWMU have been documented, and any spills would probably have been contained, it is unlikely that a release to ground water, surface water, soils, or air occurred from this SWMU.

Recommendations: No further action is needed for this SWMU.

SWMU 7 Old Sludge Tank (ST)

Conclusions: Because no previous releases from this SWMU have been documented and any spills would probably have been contained, it is unlikely that a release to ground water, surface water, soils or air occurred from this SWMU.

Recommendations: No further action is needed for this SWMU.

SWMU 8 Solids Compactor

Conclusions: Because of the small size of this unit, any leak or spill that occurred during compaction could be easily contained and removed with adsorbent. Therefore, the threat of release to ground water, surface water, soils or air is low.

Recommendations: No further action is needed at this SWMU.

SWMU 9 Fuel Blending Tanks

Conclusions: With the secondary containment and the ability of North East to clean up small spills, it appears unlikely that a release from this unit to the ground water, surface water, air or soil occurred.

Recommendations: No further action is needed for this SWMU.

SWMU 10 Distillation Tanks (R1 and R2)

Conclusions: No evidence of release was found, and the secondary containment is sufficient to contain the volume of the tanks if total failure should occur. As the units are located inside, and no drains are located within the secondary containment area, the threat of release to ground water, surface water, soils and air is low.

Recommendations: No further action is needed for this SWMU.

SWMU 11 Paint Booth Filter Tank

Conclusions: Although no secondary containment exists for this unit, any spill would probably remain within the warehouse area. As there are no openings to drains in the area, the threat of release to surface water is low. The unit is located inside, thus the threat of release to air is low. The wood floor is located over concrete which minimizes the threat of release to underlying soils and ground water.

Recommendations: No further action is needed for this SWMU.

SWMU 12 Underground Overflow Tank

Conclusions: Because no significant spills have ever been reported at North East, it is unlikely that this tank ever contained hazardous waste. The possibility that it leaked oil before 1983 cannot be evaluated.

Recommendations: No further action is needed for this SWMU.

SWMU 13 Warehouse Drum Storage Area

Conclusions: Wastes stored in this unit are exclusively solid wastes, therefore the threat of release to ground water, surface water, or soils is low. A release of powdered materials to the air would probably be contained within the warehouse. As some liquid is present in the wastes awaiting compaction, a small potential for liquids release exists. However, any such spill would be easily cleaned with the adsorbents present for this purpose. The overall threat of release from this unit is low.

Recommendations: No further action is needed for this SWMU.

Areas of Concern

PRC identified six AOCs during the VSI. These areas are:

1. Empty drum staging area
2. Laboratory sample storage area
3. Truck transfer area
4. Former underground storage tanks
5. Outdoor drum storage area
6. Trash pile

Of the AOCs listed above, only two were observed to have evidence of releases. AOC 1, the empty drum staging area, was observed to have possible organic contaminant runoff to low lying soils. AOC 3, the truck transfer area, had stains on a tank and on the containment dike. For both AOCs, PRC recommends that soil sampling be undertaken to determine the nature and extent of contamination. The other AOCs had no evidence of release and the potential for

releases to ground water, surface soils, surface water and air was determined to be low. No further actions are recommended at this time.

Table 3 summarizes the SWMUs and AOCs at the North East facility and suggested further actions.

As shown in Table 3, evidence of minor releases was present for SWMUs 1 and 9. However, secondary containment and the availability of sorbent materials on-site makes the potential for release to the environment highly unlikely and therefore, sampling is not recommended. Evidence of releases was also observed at two North East AOCs (1 and 3) and historical releases at SWMU 2 may have occurred but could not be verified. PRC suggests that soil sampling be conducted at SWMU 2 and AOCs 1 and 3 to characterize the nature and extent of these potential or observed releases. The threat to human health or the environment of any release described above is low, since there are no potential ground water receptors. The only threat of exposure would be the exposure of on-site workers to remnant surface soil contamination.

PRC also suggests that the dock unloading area currently included as part of North East's permitted drum storage area, be excluded from the drum storage area, since no secondary containment is present.

TABLE 3
SWMUs, AOCs, and SUGGESTED FURTHER ACTIONS

<u>SWMU</u>	<u>Operational Dates</u>	<u>Evidence of Release</u>	<u>Suggested Further Action</u>
1. Drum Storage Area Number 1	1985 to Present	Floor of storage area stained and gummy.	None. Secondary containment adequate to contain any releases.
2. Drum Storage Area Number 2	1983 to 1987	None	Soil sampling to determine if a previous release has occurred.
3. Oily Wastewater Tank (P-013)	1987 to Present	None	None
4. Generator Solvent Tank (T-002)	1983 to Present	None	None
5. Hazardous Waste Fuel Tanks (T-010, T-011, T-012)	1985 to Present	None	None
6. Old Solvent Tanks (T2, T4, T5)	1983 to 1987	None	None
7. Old Sludge Tank - ST	1983 to 1987	None	None
8. Solids Compactor	1989 to Present	None	None
9. Fuel Blending Tanks	Unknown to Present	At time of VSI, floor near process tanks was sticky and area where drum contents were transferred showed evidence of previous spills.	None. Secondary containment adequate to contain any releases.
10. Distillation Tanks (R1, R2)	1983 to Present	None	None
11. Paint Booth Filter Tank	1990 to Present	None	None
12. Underground Overflow Tank	Unknown to 1988	None	None
13. Warehouse Drum Storage Area	1990 to Present	None	None
<u>AOC</u>	<u>Operational Dates</u>	<u>Evidence of Release</u>	<u>Suggested Further Action</u>
1. Empty Drum Staging Area	1983 to Present	Organic contaminants in surface runoff to low lying soils	Soil sampling to determine nature and extent of contamination
2. Laboratory Sample Storage Area	Unknown to Present	None	None

TABLE 3 (CONTINUED)

<u>AOC</u>	<u>Operational Dates</u>	<u>Evidence of Release</u>	<u>Suggested Further Action</u>
3. Truck Transfer Area	1983 to Present	Stains on tank containment dike	Soil sampling to determine nature and extent of contamination
4. Former Underground Storage Tanks	Unknown to Present	None	None
5. Outdoor Drum Storage Area	Unknown to Present	None	None
6. Trash Pile	Unknown to Present	None	None

REFERENCES

- Federal Register, 1990. Proposed Corrective Action Rule -- 55 FR 30807. (July 27)
- John P. Ford, 1987. Glacial and Surficial Geology of Cuyahoga County, Ohio, 1987.
- North East Chemical Corporation, 1983a. Part A and Part B permit application submitted to Ohio EPA, June 9, 1983.
- North East Chemical Corporation, 1983b. Revised Part A and Part B permit application submitted to Ohio EPA, December 1983.
- North East Chemical Corporation, 1985. Revised Part A permit application submitted to Ohio EPA, April 4, 1985.
- North East Chemical Corporation, 1990a. Revised Part B permit application submitted to Ohio EPA, March 14, 1990.
- North East Chemical Corporation, 1990b. Letter to Ohio EPA providing additional information on the composition of the hazardous waste fuel North East produces, April 16, 1990.
- Ohio Environmental Protection Agency (Ohio EPA), 1990a. RCRA Land Disposal Restriction Inspection Report, March 6, 1990.
- United States Department of Agriculture Soil Conservation Service, 1980. Soil Survey of Cuyahoga County, Ohio, 1980.

ATTACHMENTS

ATTACHMENT A

EPA FORM 2070-10



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE OH 02 SITE NUMBER
OHD 880881571

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Northeast Chemical Corporation	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 3301 Monroe Avenue				
03 CITY Cleveland	04 STATE OH	05 ZIP CODE 44113	06 COUNTY Cuyahoga	07 COUNTY CODE	08 CONG DIST
09 COORDINATES: LATITUDE 41 28 40.0		LONGITUDE 081 42 30.0			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Interstate 90 east, exit W. 25th Street (U.S. 42) north about 1/2 mile, turn left on Monroe about 1/2 mile

III. RESPONSIBLE PARTIES

01 OWNER (if known) Northeast Chemical Corporation	02 STREET (Business, mailing, residential) 3301 Monroe Avenue		
03 CITY Cleveland	04 STATE OH	05 ZIP CODE 44113	06 TELEPHONE NUMBER (216) 961-8618
07 OPERATOR (if known and different from owner) same as above (01)	08 STREET (Business, mailing, residential)		
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>06 / 13 / 83</u> <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____ / ____ / ____ MONTH DAY YEAR MONTH DAY YEAR <input type="checkbox"/> C. NONE			

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply) <input type="checkbox"/> YES DATE <u>07 / 19 / 90</u> <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> NO <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): <u>PRC Environmental Management, Inc.</u>	
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	03 YEARS OF OPERATION <u>1983</u> <u>Ongoing</u> <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Spent Chlorinated Solvents Aromatic & Aliphatic Hydrocarbons Lacquer Thinners Ketones Waste Paints, Resins, Adhesives Esters	
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Release of stored materials to soils at the facility and in the surrounding area.	

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one, if high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspection time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT Kevin Piarard	02 OF (Agency/Organization) U.S. EPA Region V		03 TELEPHONE NUMBER (312) 886-4448	
04 PERSON RESPONSIBLE FOR ASSESSMENT Jeff Ross	05 AGENCY	06 ORGANIZATION PRC-EM	07 TELEPHONE NUMBER (312) 856-8700	08 DATE <u>10 / 04 / 90</u> MONTH DAY YEAR

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION**

1. IDENTIFICATION

OF STATE
OH

02 SITE NUMBER
OH0 980681571

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

<p>01 PHYSICAL STATES (<i>Check all that apply</i>)</p> <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ <i>(Specify)</i> </div> <div> <input type="checkbox"/> E. SLURRY <input type="checkbox"/> F. LIQUID <input type="checkbox"/> G. GAS </div> </div>	<p>02 WASTE QUANTITY AT SITE <i>(Measure of waste quantities must be independent)</i></p> <p>GALLONS - <u>37,000</u></p> <p>CUBIC YARDS _____</p> <p>NO. OF DRUMS - <u>600</u></p>	<p>03 WASTE CHARACTERISTICS (<i>Check all that apply</i>)</p> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE </div> <div> <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE </div> </div>
---	--	--

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	unknown		accumulates as tank bottoms
OLW	ONLY WASTE	10,000 gallons	month	stored in 6,000 gallon tank
SOL	SOLVENTS	unknown		stored in So1 and So2
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	unknown		stored in So1 and So2
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	unknown		as constituent of waste paints

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

PA/VS! file information compiled by PRC, including Part A and Part B Permit Applications



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE OH 02 SITE NUMBER
OHD 9800681571

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None. No aquifers exist beneath site.

01 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: unknown

04 NARRATIVE DESCRIPTION

Spill into storm sewer drain. Very low potential.

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: unknown

04 NARRATIVE DESCRIPTION

Volatilization of spill from outside tanks.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: unknown

04 NARRATIVE DESCRIPTION

Flammable and ignitable materials stored on-site. Safety precautions appeared adequate.

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: unknown

04 NARRATIVE DESCRIPTION

Although site is completely fenced, access is not restricted during business hours.

01 ☐ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: < 1
(Acres)

04 NARRATIVE DESCRIPTION

Rainwater runoff from "RCRA empty" drums awaiting shipment could potentially contaminate soils. Historical spills during transfer of waste/fuel from tanks to tanker trucks.

01 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None. Municipal water supply derived from Lake Erie.

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

Current materials handling operation or exposure to spill. Volatile organic concentrations in air on-site are within OSHA standards.

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

See above.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE OH 02 SITE NUMBER
OHD 980681571

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 NARRATIVE DESCRIPTION

Through contact with impacted media as described above. Very low potential.

01 ☐ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 NARRATIVE DESCRIPTION (Include name(s) of species)

Through contact with impacted media as described above. Very low potential.

01 ☐ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 NARRATIVE DESCRIPTION

None.

01 ☐ M. UNSTABLE CONTAMINANT OF WASTES 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None.

01 ☐ N. DAMAGE TO OFF-SITE PROPERTY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None, with exception of very low fire/explosion potential.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 NARRATIVE DESCRIPTION

Storm sewer in loading dock open to potential spill during off-loading or on-loading of hazardous substances.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 NARRATIVE DESCRIPTION

None.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

See body of October 1990 PA/VS1 Report.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)

PA/VS1 file collection and site visit conducted by PRC.

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 25 wastes to list.

Form Approved OMB No. 1525-0006

EPA I.D. NUMBER (enter from page 1)				FOR OFFICIAL USE ONLY												
W				W DUP 2 DUP												
IV DESCRIPTION OF HAZARDOUS WASTES (continued)																
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES												
				1. PROCESS CODES (enter)												
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))												
1	D001	10,000,000		S	0	1	S	0	2	T	0	1	T	0	4	
2	D002		P	S	0	1	S	0	2	T	0	1	T	0	4	Included with above
3	D003		P	S	0	1	S	0	2	T	0	1	T	0	4	" " "
4	D004		P	S	0	1	S	0	2	T	0	1	T	0	4	Included with D001, F003, F005
5	D005		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
6	D006		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
7	D007		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
8	D008		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
9	D009		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
10	D010		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
11	D011		P	S	0	1	S	0	2	T	0	1	T	0	4	" " " " "
12	F001	500,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
13	F002	500,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
14	F003	5,000,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
15	F004	1,000,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
16	F005	5,000,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
17	K022	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
18	K023	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
19	K024	2,000,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
20	K048	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
21	K049	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
22	K050	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
23	K051	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
24	K052	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
25	K083	50,000	P	S	0	1	S	0	2	T	0	1	T	0	4	
26	K086	500,000	P	S	0	1	S	0	2	T	0	1	T	0	4	

NOTE: Photocopy this page before completing if you have more than 25 wastes to list.

Form Approved OMB No. 1525-0004

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY									
WASTE										WASTE									
WASTE										WASTE									
TV. DESCRIPTION OF HAZARDOUS WASTES (continued)																			
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES															
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D1)											
1	K093	50,000	P	S01	S02	T01	T04												
2	K094	50,000	P	S01	S02	T01	T04												
3	U002		P	S01	S02	T01	T04	All "U" wastes included with D001, F003, F005											
4	U008		P	S01	S02	T01	T04												
5	U031		P	S01	S02	T01	T04												
6	U051		P	S01	S02	T01	T04												
7	U052		P	S01	S02	T01	T04												
8	U080		P	S01	S02	T01	T04												
9	U112		P	S01	S02	T01	T04												
10	U133		P	S01	S02	T01	T04												
11	U140		P	S01	S02	T01	T04												
12	U154		P	S01	S02	T01	T04												
13	U159		P	S01	S02	T01	T04												
14	U161		P	S01	S02	T01	T04												
15	U194		P	S01	S02	T01	T04												
16	U201		P	S01	S02	T01	T04												
17	U220		P	S01	S02	T01	T04												
18	U223		P	S01	S02	T01	T04												
19	U239		P	S01	S02	T01	T04												
20																			
21																			
22																			
23																			
24																			
25																			
26																			

TABLE C-1

WASTES, ASSOCIATED HAZARDS AND BASIS FOR HAZARD DESIGNATION

<u>CHEMICAL</u>	<u>HAZARD</u>	<u>BASIS FOR HAZARD DESIGNATION</u>
Mixed Solvents	Ignitable	Characteristic waste D001
Aqueous	High/low pH	Characteristic waste D002
Reactive	Reactive	Characteristic waste D003
Arsenic	EP Toxic	Characteristic waste D004
Barium	EP Toxic	Characteristic waste D005
Cadmium	EP Toxic	Characteristic waste D006
Chromium	EP Toxic	Characteristic waste D007
Lead	EP Toxic	Characteristic waste D008
Mercury	EP Toxic	Characteristic waste D009
Selenium	EP Toxic	Characteristic waste D010
Silver	EP Toxic	Characteristic waste D011
Tetrachloroethylene	T	Listed waste F001
Trichloroethylene	T	Listed waste F001
Methylene chloride	T	Listed waste F001
1,1,1-trichloroethane	T	Listed waste F001
Carbon tetrachloride	T	Listed waste F001
Chlorinated fluorocarbons	T	Listed waste F001
Tetrachloroethylene	T	Listed waste F002
Methylene chloride	T	Listed waste F002
Trichloroethylene	T	Listed waste F002
1,1,1-trichloroethane	T	Listed waste F002
1,1,1-trichloro-1,2,2 -trifluoroethane	T	Listed waste F002
Ortho-dichlorobenzene	T	Listed waste F002
Trichlorofluoromethane	T	Listed waste F002
Xylene	I	Listed waste F003
Acetone	I	Listed waste F003
Ethyl acetate	I	Listed waste F003
Ethyl benzene	I	Listed waste F003
Ethyl ether	I	Listed waste F003
Methyl isobutyl ketone	I	Listed waste F003
n-butyl alcohol	I	Listed waste F003
Cyclohexanone	I	Listed waste F003
Methanol	I	Listed waste F003
Toluene	I,T	Listed waste F005
Methyl ethyl ketone	I,T	Listed waste F005
Carbon disulfide	I,T	Listed waste F005
Isobutanol	I,T	Listed waste F005
Pyridine	I,T	Listed waste F005

TABLE C-1

WASTES, ASSOCIATED HAZARDS AND BASIS FOR HAZARD DESIGNATION

<u>CHEMICAL</u>	<u>HAZARD</u>	<u>BASIS FOR HAZARD DESIGNATION</u>
Cumene	T	Specific Source K022
Naphthalene	T	Specific Source K023
Naphthalene	T	Specific Source K024
DAF Float	T	Specific Source K048
Slop Oil Solids	T	Specific Source K049
Heat Exchange Sludge	T	Specific Source K050
API Separator Sludge	T	Specific Source K051
Tank Bottoms	T	Specific Source K052
Aniline Bottoms	T	Specific Source K083
Ink Wastes	T	Specific Source K086
Phthalic Anhydride		
Light Ends	T	Specific Source K093
Phthalic Anhydride		
Bottoms	T	Specific Source K094
Acetone	I	U002
Acrylic Acid	I	U008
N-Butanol	I	U031
Creosote	--	U051
Cresols	--	U052
Methylene Chloride	--	U080
Ethyl Acetate	I	U112
Hydrazine	R,T	U133
Isobutyl Alcohol	I,T	U140
Methanol	I	U154
Methyl Ethyl Ketone	I,T	U159
Methyl Isobutyl Ketone	I	U161
I-Propanamine	I,T	U194
Resorcinol	--	U201
Toluene	--	U220
Toluene Diisocyanate	R,T	U223
Xylene	I	U239

ATTACHMENT B
VISUAL SITE INSPECTION SUMMARY
AND
PHOTOGRAPH LOG

**VISUAL SITE INSPECTION SUMMARY
NORTH EAST CHEMICAL CORPORATION
CLEVELAND, OHIO**

Date: July 19 and 20, 1990

Facility

Representatives: Philip Stapf, President, North East
Dennis Flanagan, Plant Manager, North East
Theron Brayman, Technical Manager, North East
Michael Hardy, Attorney, Counsel to North East

Inspection Team: Jeff Ross, PRC
Carla Buriks, PRC

Weather

Conditions: Variable cloudiness with intermittent showers, warm

Summary of

Activities: The visual site inspection (VSI) for the North East facility began at 8:15 a.m. on July 19, 1990. A meeting with the facility representatives was held between 8:15 and 11:00 a.m. The purpose of the inspection was discussed initially, and subsequent discussions focused on the site history, North East's current operational processes, waste management practices, and solid waste management units (SWMUs).

Following this meeting, a walk-through inspection of the facility was conducted to identify the SWMUs and potential areas of concern (AOC) previously found during the file review and discussed in the earlier meeting. The potential for release of hazardous substances to the environment was assessed during this inspection. Photographs were taken with the facility's permission by PRC's inspection team.

A brief exit meeting was held at 3:15 p.m. on July 19, 1990 to summarize additional information requirements that could not be obtained during the VSI. PRC returned for about 1 hour on the morning of July 20, 1990 to find out additional information about two AOCs and take some additional photographs.

INSPECTION PHOTO LOG

Photos for this PA/VSI begin on photo #4 (see field log notes)

Photo No.: 1 SWMU No.: -
Date: _____ Time: _____ Direction Facing: _____
Description: _____

Photos for this PA/VSI begin on photo #4. (see field log notes)

[illegible]

Photos for this PL vs begin on photo #4 (see field log notes)

Photo No.: 3 SWMU No.:
Date: 07-19-90 Time: 11:00 a.m. Direction Facing: _____
Description: _____



Photo No.: 4 SWMC No.: NA
Date: 07-19-90 Time: 11:00 a.m. Direction Facing: E
Description: Laboratory facility; cardboard box on counter surface is waste container.

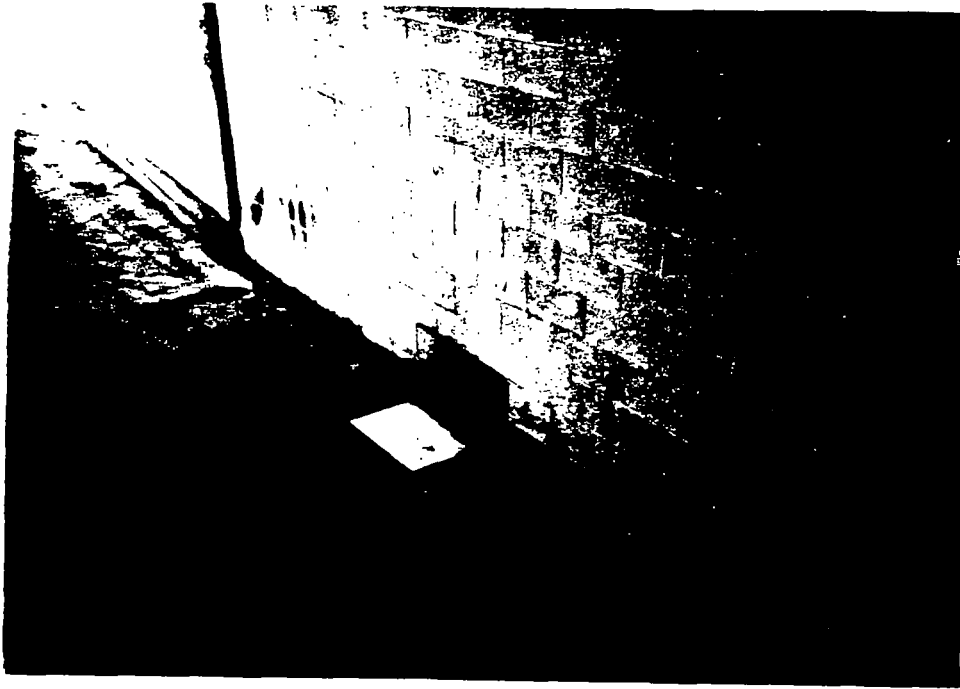


Photo No.: 5 SWMU No.: NA
 Date: 07/19/90 Time: 11:10 a.m. Direction Facing: _____
 Description: Storm drain at side of loading dock floor. Floor slopes away from drain.



Photo No.: 6 SWMU No.: 1
 Date: 07/19/90 Time: 11:00 a.m. Direction Facing: E
 Description: Top of loading dock towards container storage area.

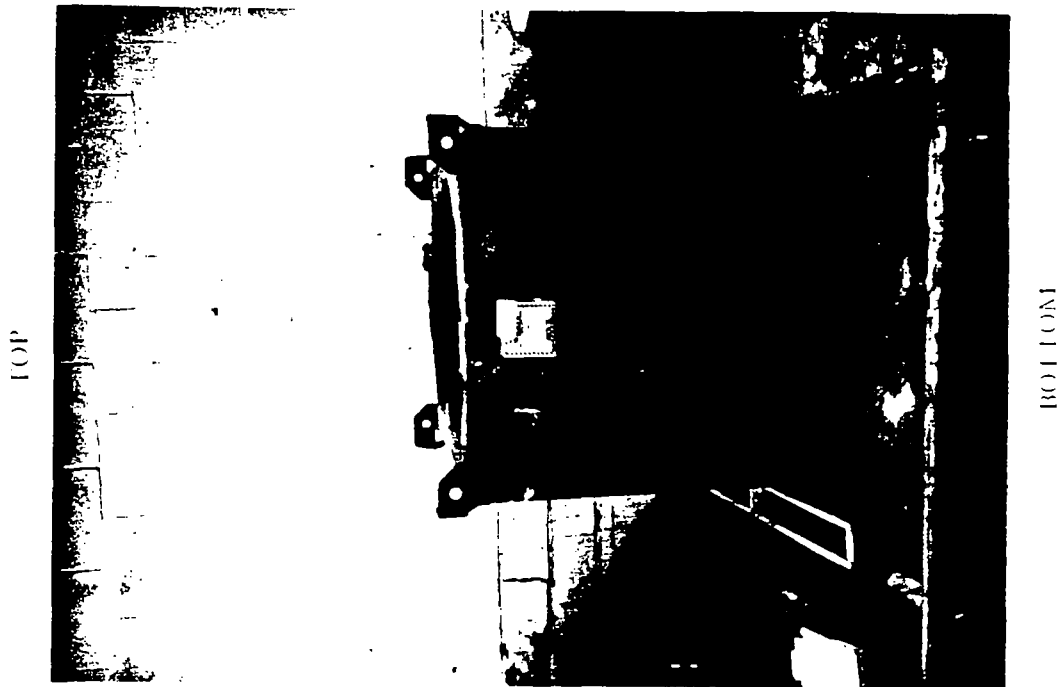


Photo No.: 7 SWMU No.: 1
 Date: 07/19/90 Time: 11:15 a.m. Direction Facing: _____
 Description: 365-gallon liquid hazardous waste storage container with concrete dike on two
sides.

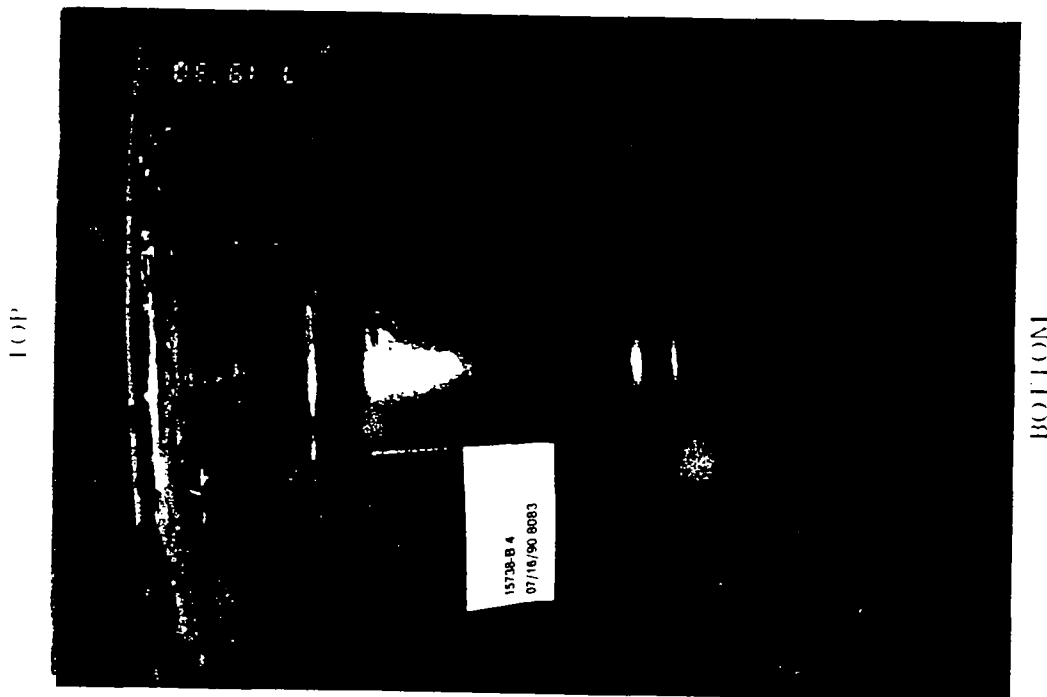


Photo No.: 8 SWMU No.: 1
 Date: 07/19/90 Time: 11:15 a.m. Direction Facing: _____
 Description: Closeup of drum labeling system.



Photo No.: 9 SWMU No.: 1
 Date: 07-19-90 Time: 11:20 a.m. Direction Facing: N
 Description: Drum area No. 5; 48 drums (2 x 12 x 2).



Photo No.: 10 SWMU No.: 1
 Date: 07-19-90 Time: 11:20 a.m. Direction Facing: S
 Description: Bermed area with door to office; drum area No. 19 appears on left of photo.

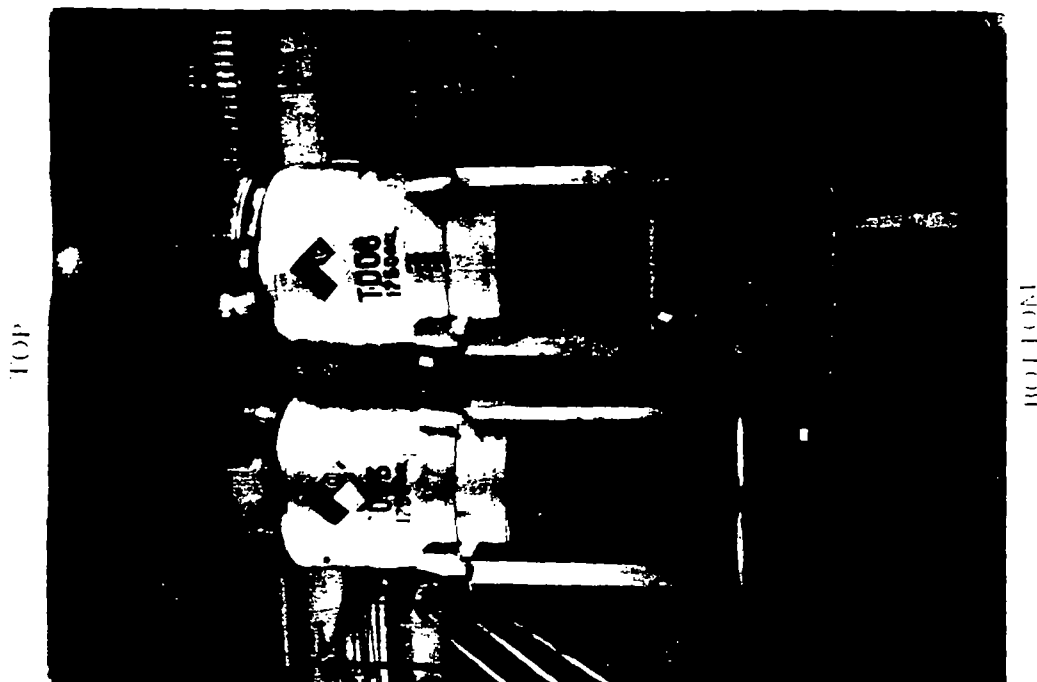


Photo No.: 11 SWMU No.: 1
 Date: 07-19-90 Time: 11:25 a.m. Direction Facing: S
 Description: Clean solvent storage. Tanks T003 and T006 (1,750 gallons each); note 8-inch dike around tanks.

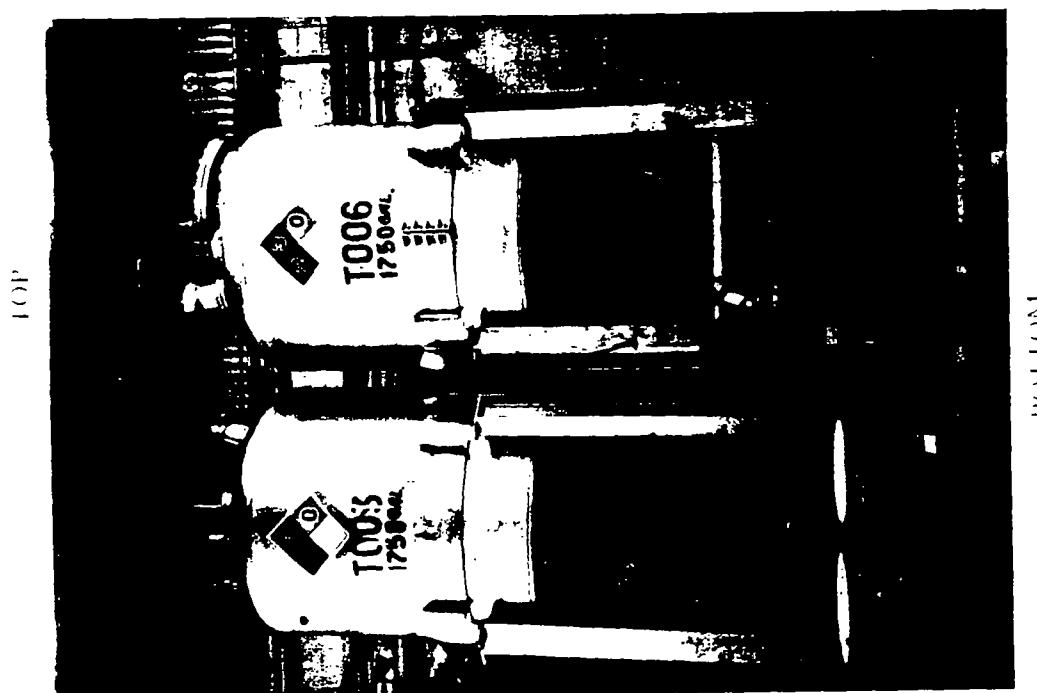


Photo No.: 12 SWMU No.: 1
 Date: 07-19-90 Time: 11:25 a.m. Direction Facing: S
 Description: Closeup of tanks T003 and T006.



Photo No.: 13 SWMU No.: 10
 Date: 07/19/90 Time: 11:30 a.m. Direction Facing: E
 Description: Solvent recovery distillation area. 1,750-gallon tank (R1) in left foreground;
750-gallon tank (R2) in right background. Note former dike berm.

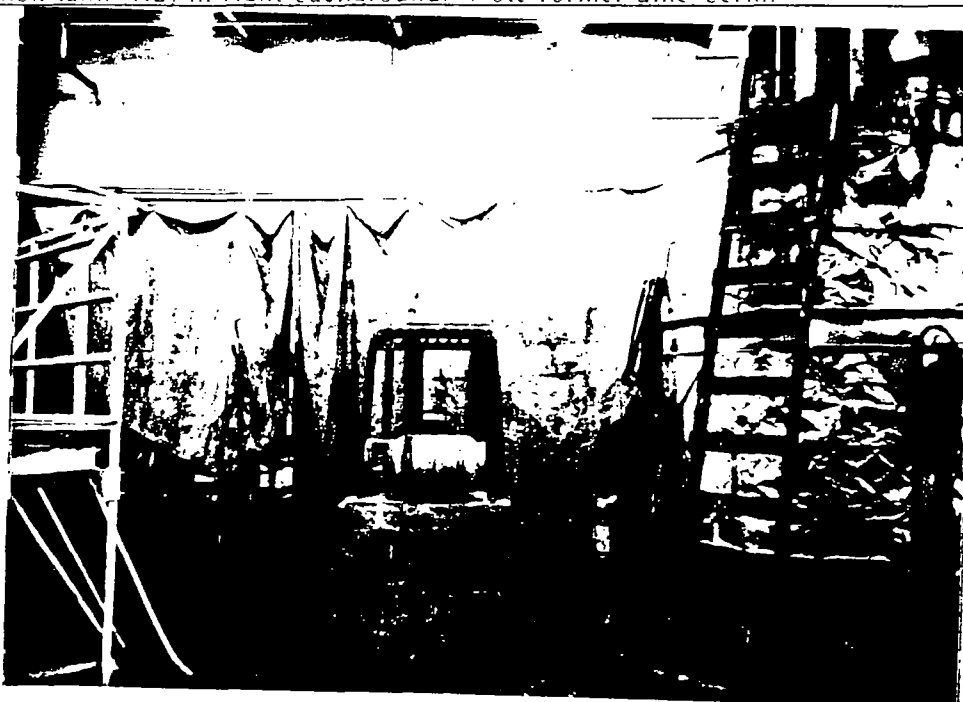


Photo No.: 14 SWMU No.: 9
 Date: 07/19/90 Time: 11:30 a.m. Direction Facing: N
 Description: Business confidential; behind curtained area are two process units (1,100-gallon
tanks) and associated piping sequence. Note R1 still in right of photo.



Photo No.: 15 SWMU No.: 1
 Date: 07-19-90 Time: 11:40 a.m. Direction Facing: E
 Description: "RCRA empty" drum storage area.



Photo No.: 16 SWMU No.: 12
 Date: 07-19-90 Time: 11:45 a.m. Direction Facing: S
 Description: Empty drum storage area. Note drain opening to underground tank; 2.5 to 3-foot diameter lid with approximately 2-inch dike.



Photo No.: 17 AOC No.: 1
 Date: 07/19/90 Time: 11:45 a.m. Direction Facing: S
 Description: Empty drums outside process building waiting to be loaded onto trailer.

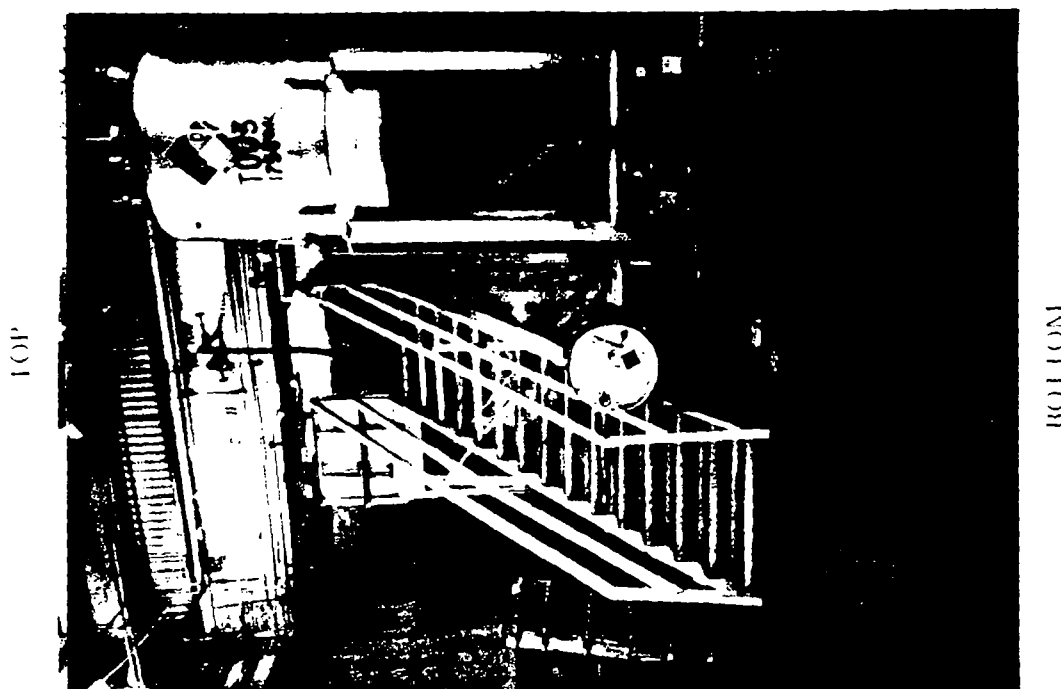


Photo No.: 18 SWMU No.: 1
 Date: 07/19/90 Time: 11:50 a.m. Direction Facing: S
 Description: T003 and transfer lines to tanks outside.



Photo No: 19 SWMU No: 2
 Date: 07-19-90 Time: 12:00 noon Direction Facing: _____
 Description: Drum storage area; drums contain waste and scrap.



Photo No: 20 SWMU No: 11
 Date: 07-19-90 Time: 12:10 p.m. Direction Facing: S
 Description: Drum storage area for reclaimed solvents. Note: curtained area is business confidential experimental paint booth filter treatment recycling process.



Photo No.: 21 SWMU No.: 2
 Date: 07/19/90 Time: 12:15 p.m. Direction Facing: N
 Description: Fiber drum storage area

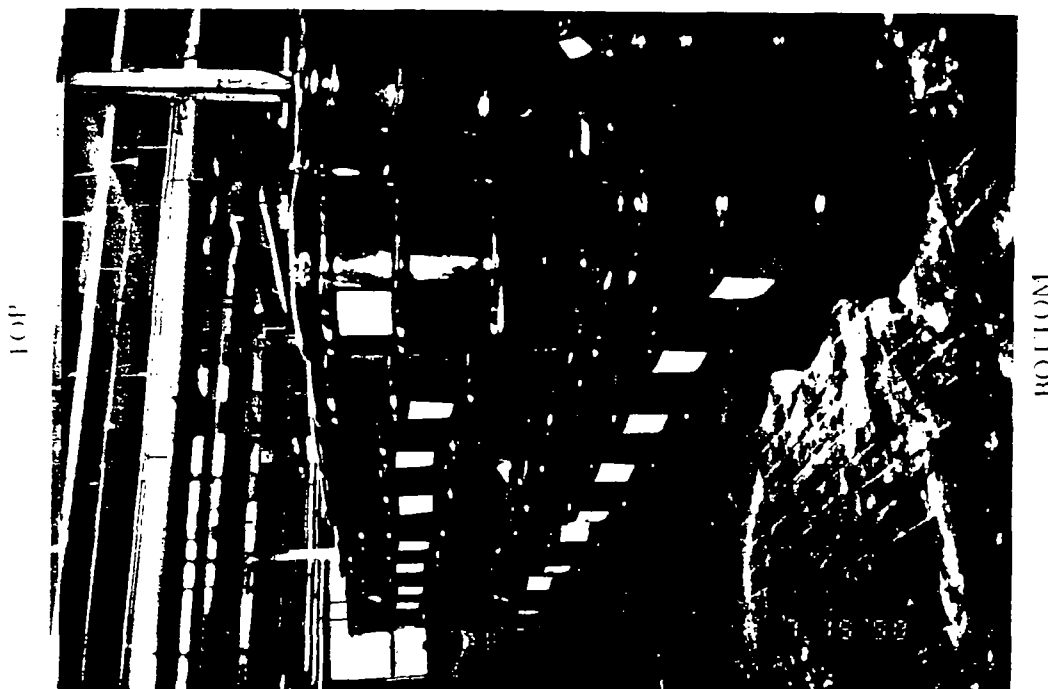


Photo No.: 22 SWMU No.: 13
 Date: 07/19/90 Time: 12:15 p.m. Direction Facing: NW
 Description: Compacted waste storage area; awaiting pickup. Drums are stored two rows, two wide, two high, 10 long. No accumulation dates greater than 90 days.

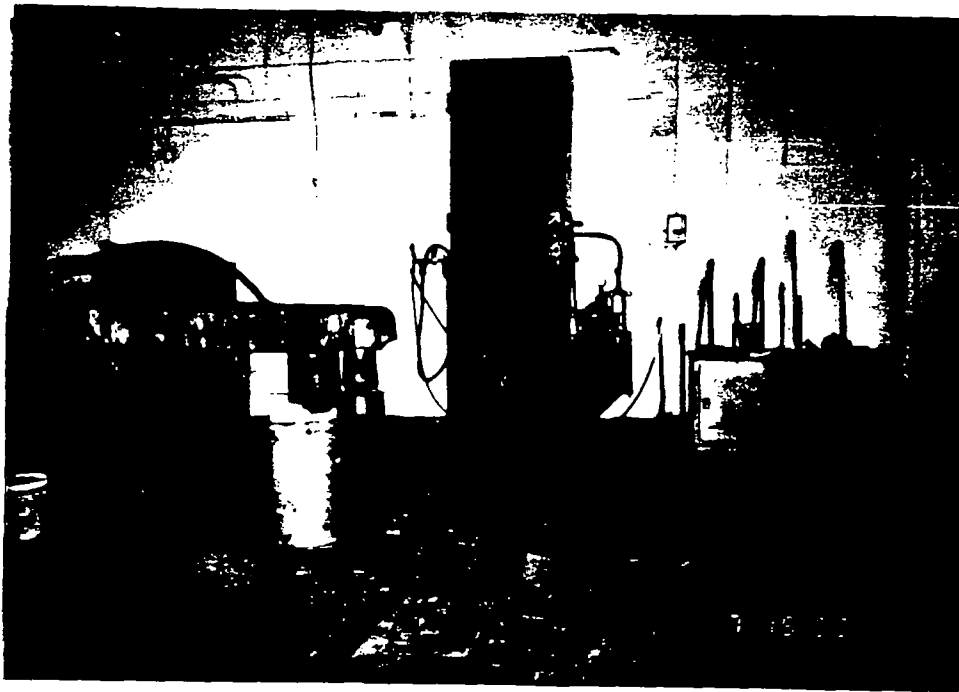


Photo No.: 23 SWMU No.: 8
 Date: 07-19-90 Time: 12:25 p.m. Direction Facing: N
 Description: Drum compactor. Note "pump and tote" for liquids in left background.

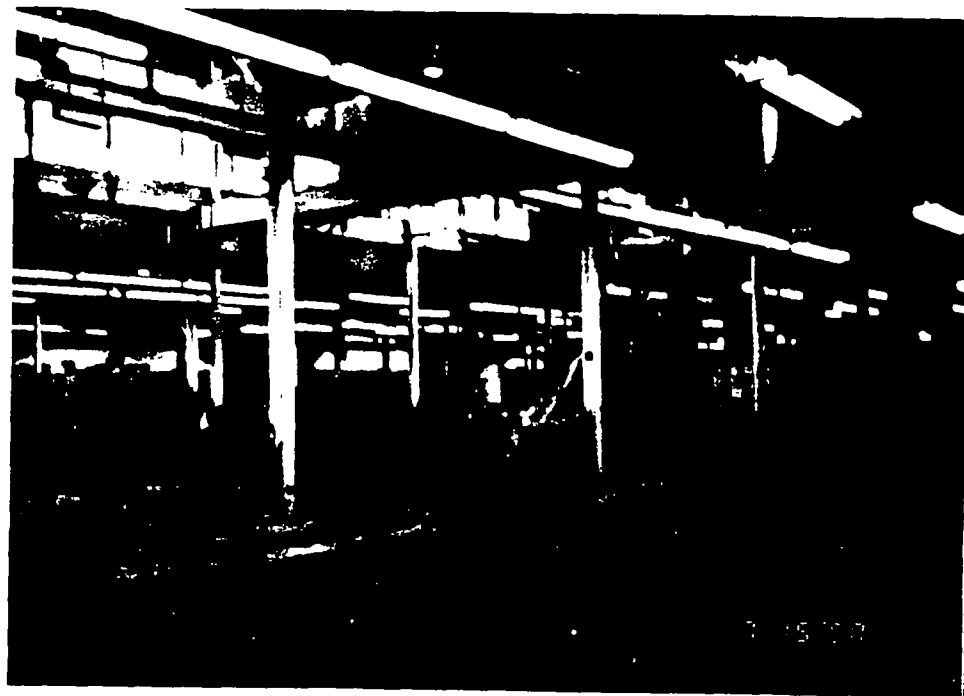


Photo No.: 24 SWMU No.: 13
 Date: 07-19-90 Time: 12:30 p.m. Direction Facing: SE
 Description: Large drum storage room. Note curtained area contains experimental paint booth filter process tank.



Photo No.: 25 SWMU No.: 3, 4, 5
 Date: 07-19-90 Time: 14:15 a.m. Direction Facing: NW
 Description: Outdoor tank farm; vertical Tanks T-012, P-013, and T-002 visible. Concrete containment wall is approximately 4 feet high. Note: containment wall outside T002 has visible staining.

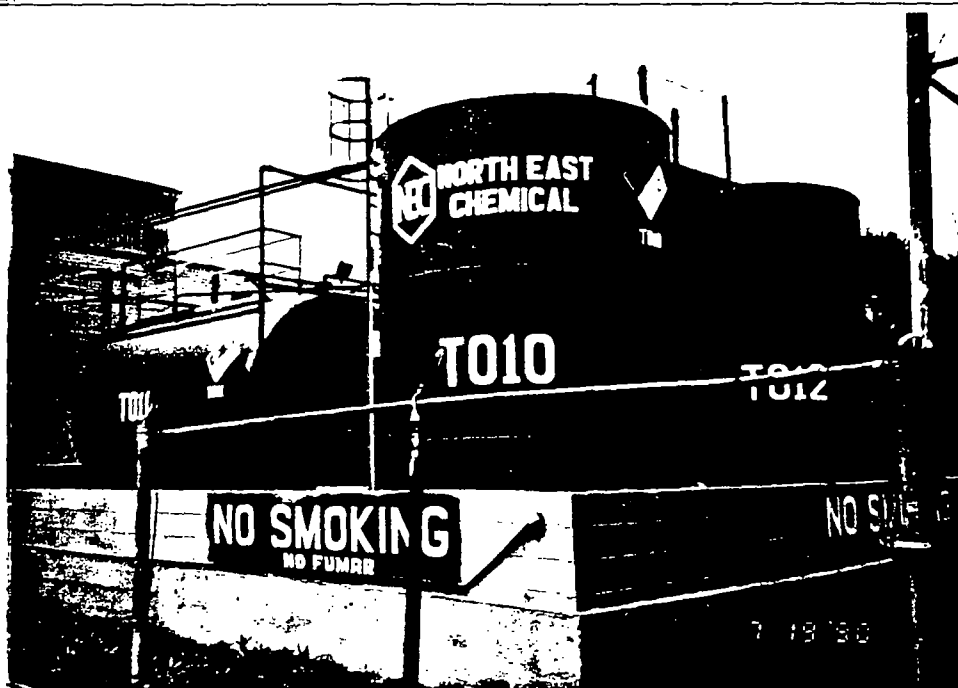


Photo No.: 26 SWMU No.: 5
 Date: 07-19-90 Time: 14:15 p.m. Direction Facing: NE
 Description: Outside tank farm; vertical tanks T-010 and T-012 and horizontal tank T-011 visible.

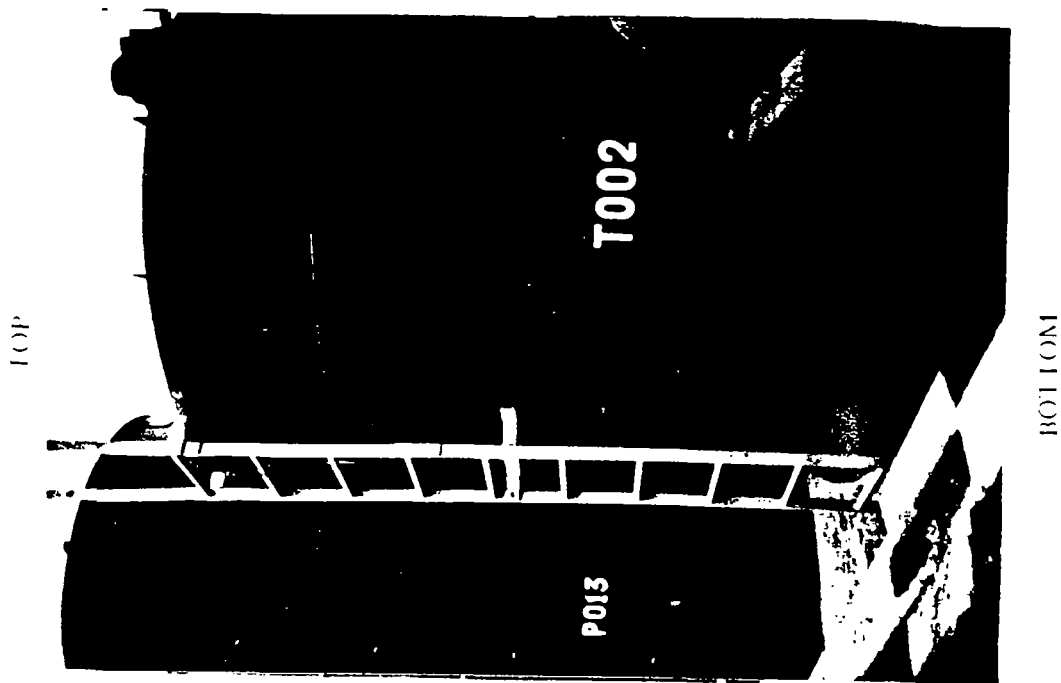


Photo No.: 27 SWMU No.: 4
 Date: 07/19/90 Time: 14:20 p.m. Direction Facing: SW
 Description: Outside tank farm; vertical tanks T-002 and P-013 (partial) visible.



Photo No.: 28 SWMU No.: 3, 4, 5
 Date: 07/19/90 Time: 14:20 p.m. Direction Facing: N
 Description: Outside tank farm; drain pipe to inside of tank farm. Stormwater pumped from pipe into P-013.



Photo No.: 29 SWMU No.: AOC 4
 Date: 07-19-90 Time: 12:25 p.m. Direction Facing: N
 Description: Former location of six 10,000 gallon underground tanks.



Photo No.: 30 AOC No.: 6
 Date: 07-20-90 Time: 08:30 a.m. Direction Facing: W
 Description: Miscellaneous material piles, including railroad ties and scrap metal, not on North East property.

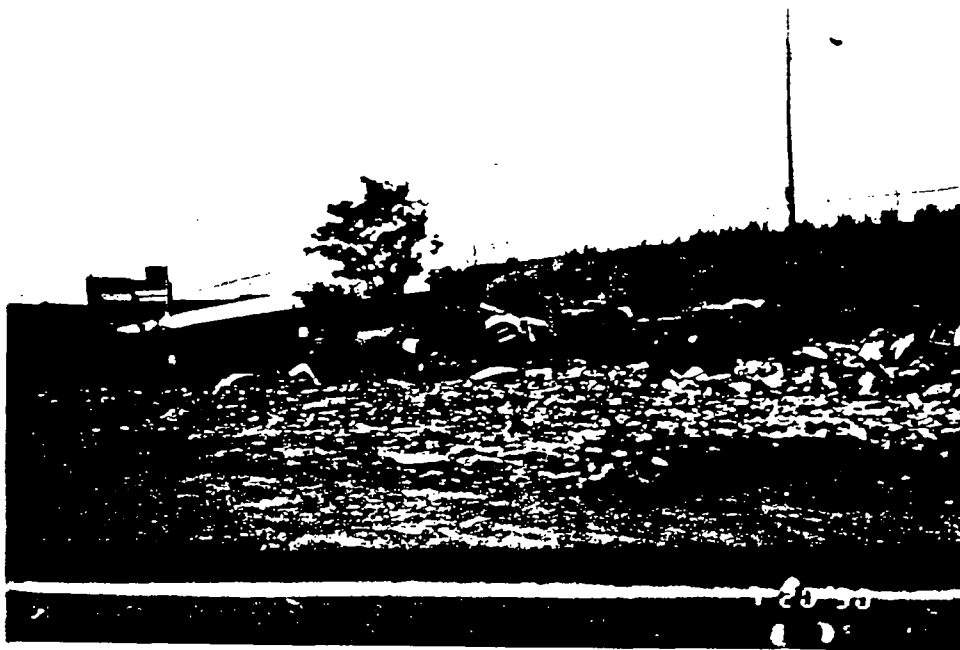


Photo No.: 31 AOC No.: 6
 Date: 07 20 90 Time: 08:30 a.m. Direction Facing: W
 Description: Boundary of fenced area; old and rusted tank vessels not on North East's property.
No apparent impact on vegetation.

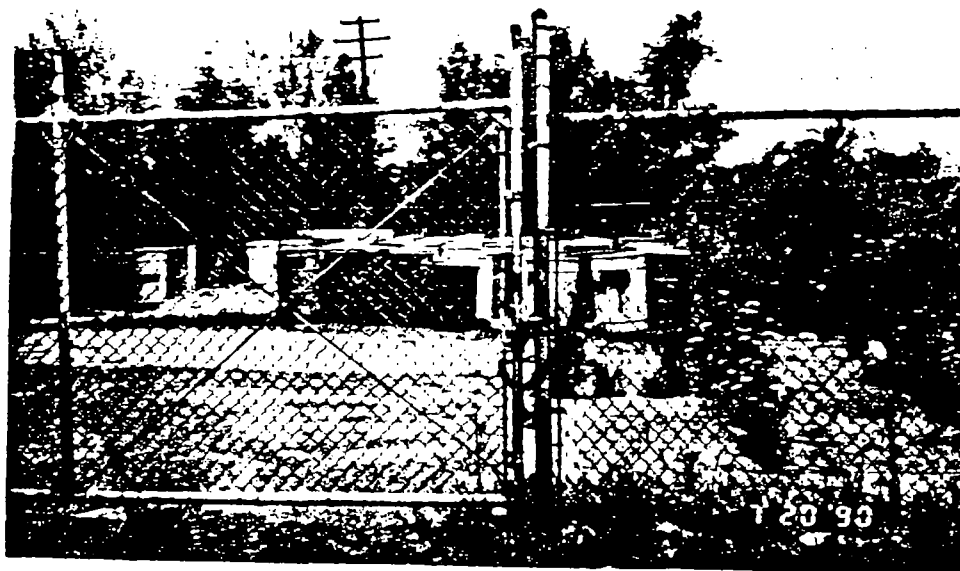


Photo No.: 32 AOC No.: 5
 Date: 07 20 90 Time: 08:45 a.m. Direction Facing: S
 Description: Outdoor drum storage area since 1984; drums are behind concrete pad on plastic
liner over gravel. Approximately 93 drums are overpacked as a result of aluminum paste drums
swelling. Not related to North East activities.

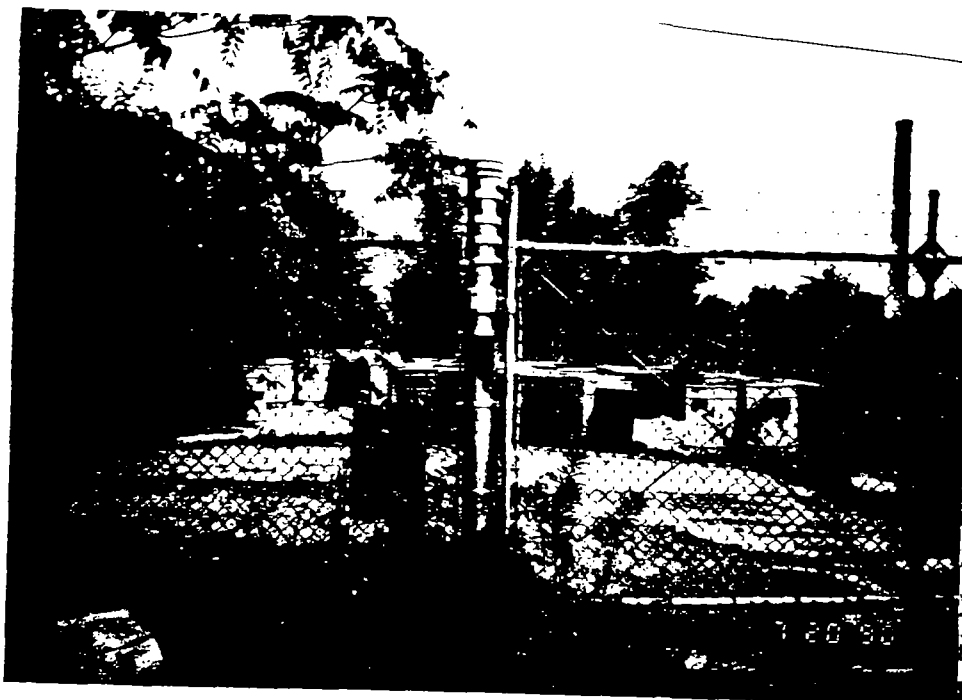


Photo No.: 33 AOC No.: 5
 Date: 07/20/90 Time: 08:45 a.m. Direction Facing: S
 Description: Outdoor drum storage area; not on North East's property.



Photo No.: 34 AOC No.: 3
 Date: 07/20/90 Time: 08:55 a.m. Direction Facing: W
 Description: Lab sample storage area; samples retained from waste profiles are stored for 6 months (right). Sample profile tubes are retained indefinitely (left).

ATTACHMENT C

VISUAL SITE INSPECTION FIELD NOTES

ME checked

8-10 -

Philip Stapp - P-10

David Flanagan - P-11. map

ME checked

Theron Bracyman - P-12. map

Mike Husky - P-13.

all requests made.

approve, to be equally for containers / tools.

used

usually from 1000 - 10000 - all from land

planning to purchase next June.

literature lab office - process

currently - various staff - literature distribution

10,000 ft²

no problem 100,000 ft² - Forest Corp - suggested could handle

story

Friday Don Beckman - American Chemical in early 60s 4-5 yrs

American Chem to late 1981 - Brandon partners

1981 - 1985

Monday 81

- 52

utility / maintenance area - 1981 - and reconditioning.

changing room - P-14. map - 52 to 8/90

[illegible]

Wahrscheinlichkeit

* identifying solid type wastes - to transfer - to convert into
biomass or to compost

Still no interest

175- 1-1/2" Steam coils

2700 Island - local comp

Einmaliges Lager. Hühner. - 1000

$$\log A \rightarrow \log A$$

consistency of shell bottoms,

constant relative

↑ 17TL

to 11 months, rather,

Let it Thinking beams / tanks - empty tanks to tanks. - 1:1
completing the coding.

- Don't need order

- mixing with metals

- (1/16) drawing furniture (2)

→ A breakdown on volume might prove beneficial in future

1947

1. How can we ensure that we are not
ignoring any other groups

1. Intake - only water & food - dumped out
 2. Excretion - excretion of waste - excreted out
 3. Respiration - respiration of oxygen & carbon dioxide
 4. Reproduction - reproduction of new individuals
 5. Death - death of the organism

all right - I will get it done
I'll collect the money
and go to the bank.

- action policies = food program
 - action = ask up to 10 people to contribute
 - still on top of food program
- not even involved in relevant meeting.

67 - in A - 1000

11-) unfällig

ii - drawing out - to declaim like that - 17th year
the court - could settle out - court - better -
- a full program, just a declaim of power (28
minutes) and they go back

... 1000 ft. in all over 10 days - 1000 ft. in 10 days -

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

$\lim_{x \rightarrow \infty} \frac{f(x)}{g(x)} = \frac{\infty}{\infty}$ - the L'Hôpital's rule

side - - - - - ground not compacted
- - - - - should be made to compact
- - - - - 11/57 - 11/57
- - - - - 11/57 - 11/57

Lesson plan - writing

all of skill section. 2 - 3 more months - more work - 100
part of section - beyond that I have
then transferred the 2.5 to the 3.0
- 2.5 - including 2.5

1 - very pleasant forest - trees

1. 1940-1941 - 1942-1943 - 1944-1945 - 1946-1947 - 1948-1949 - 1950-1951 - 1952-1953 - 1954-1955 - 1956-1957 - 1958-1959 - 1960-1961 - 1962-1963 - 1964-1965 - 1966-1967 - 1968-1969 - 1970-1971 - 1972-1973 - 1974-1975 - 1976-1977 - 1978-1979 - 1980-1981 - 1982-1983 - 1984-1985 - 1986-1987 - 1988-1989 - 1990-1991 - 1992-1993 - 1994-1995 - 1996-1997 - 1998-1999 - 2000-2001 - 2002-2003 - 2004-2005 - 2006-2007 - 2008-2009 - 2010-2011 - 2012-2013 - 2014-2015 - 2016-2017 - 2018-2019 - 2020-2021 - 2022-2023 - 2024-2025 - 2026-2027 - 2028-2029 - 2030-2031 - 2032-2033 - 2034-2035 - 2036-2037 - 2038-2039 - 2040-2041 - 2042-2043 - 2044-2045 - 2046-2047 - 2048-2049 - 2050-2051 - 2052-2053 - 2054-2055 - 2056-2057 - 2058-2059 - 2060-2061 - 2062-2063 - 2064-2065 - 2066-2067 - 2068-2069 - 2070-2071 - 2072-2073 - 2074-2075 - 2076-2077 - 2078-2079 - 2080-2081 - 2082-2083 - 2084-2085 - 2086-2087 - 2088-2089 - 2090-2091 - 2092-2093 - 2094-2095 - 2096-2097 - 2098-2099 - 2100-2101 - 2102-2103 - 2104-2105 - 2106-2107 - 2108-2109 - 2110-2111 - 2112-2113 - 2114-2115 - 2116-2117 - 2118-2119 - 2120-2121 - 2122-2123 - 2124-2125 - 2126-2127 - 2128-2129 - 2130-2131 - 2132-2133 - 2134-2135 - 2136-2137 - 2138-2139 - 2140-2141 - 2142-2143 - 2144-2145 - 2146-2147 - 2148-2149 - 2150-2151 - 2152-2153 - 2154-2155 - 2156-2157 - 2158-2159 - 2160-2161 - 2162-2163 - 2164-2165 - 2166-2167 - 2168-2169 - 2170-2171 - 2172-2173 - 2174-2175 - 2176-2177 - 2178-2179 - 2180-2181 - 2182-2183 - 2184-2185 - 2186-2187 - 2188-2189 - 2190-2191 - 2192-2193 - 2194-2195 - 2196-2197 - 2198-2199 - 2200-2201 - 2202-2203 - 2204-2205 - 2206-2207 - 2208-2209 - 2210-2211 - 2212-2213 - 2214-2215 - 2216-2217 - 2218-2219 - 2220-2221 - 2222-2223 - 2224-2225 - 2226-2227 - 2228-2229 - 2230-2231 - 2232-2233 - 2234-2235 - 2236-2237 - 2238-2239 - 2240-2241 - 2242-2243 - 2244-2245 - 2246-2247 - 2248-2249 - 2250-2251 - 2252-2253 - 2254-2255 - 2256-2257 - 2258-2259 - 2260-2261 - 2262-2263 - 2264-2265 - 2266-2267 - 2268-2269 - 2270-2271 - 2272-2273 - 2274-2275 - 2276-2277 - 2278-2279 - 2280-2281 - 2282-2283 - 2284-2285 - 2286-2287 - 2288-2289 - 2290-2291 - 2292-2293 - 2294-2295 - 2296-2297 - 2298-2299 - 2300-2301 - 2302-2303 - 2304-2305 - 2306-2307 - 2308-2309 - 2310-2311 - 2312-2313 - 2314-2315 - 2316-2317 - 2318-2319 - 2320-2321 - 2322-2323 - 2324-2325 - 2326-2327 - 2328-2329 - 2330-2331 - 2332-2333 - 2334-2335 - 2336-2337 - 2338-2339 - 2340-2341 - 2342-2343 - 2344-2345 - 2346-2347 - 2348-2349 - 2350-2351 - 2352-2353 - 2354-2355 - 2356-2357 - 2358-2359 - 2360-2361 - 2362-2363 - 2364-2365 - 2366-2367 - 2368-2369 - 2370-2371 - 2372-2373 - 2374-2375 - 2376-2377 - 2378-2379 - 2380-2381 - 2382-2383 - 2384-2385 - 2386-2387 - 2388-2389 - 2390-2391 - 2392-2393 - 2394-2395 - 2396-2397 - 2398-2399 - 2400-2401 - 2402-2403 - 2404-2405 - 2406-2407 - 2408-2409 - 2410-2411 - 2412-2413 - 2414-2415 - 2416-2417 - 2418-2419 - 2420-2421 - 2422-2423 - 2424-2425 - 2426-2427 - 2428-2429 - 2430-2431 - 2432-2433 - 2434-2435 - 2436-2437 - 2438-2439 - 2440-2441 - 2442-2443 - 2444-2445 - 2446-2447 - 2448-2449 - 2450-2451

in solvent)

(continued)
 The first group of bones (mandible and
 hyoid arch)

der Tag. ...

[Signature]

... of

- Wiederholung - bedeutend

172 1000 200

... the

at the expense of the other - the alternative - that - is,

continued self-reflective practices - to continue to
improve - to be the best person.

- if water is not available, freeze the

- Inter-organisational - horizontal - intergroup - interagency
relationships in public organisations.

1

the boy's broken cloth shoes, the broken
down, old, rusty pin that

they intend to sell the system.

The Army - the Navy, Justice & Coast

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

...and
... ..

• $\vec{E} \parallel \vec{B}$ - magnetic field in the direction of the beam.

- preliminary assessment conducted on the road section
between station 0+125 to 0+175. Further 0+125 to 0+175 will be on
main road

1941-1942

2. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ (Probability of getting 2 heads)

- position vector along the axis of light - tunnel. Distance around

Northeast Chemical

①

7/19/90

History - property leased. Landlord is in the demolition business

NEC opened in 1/83 as a solvent recycler for S&G. After CDR & waste min. went after sol/sl market. Seeing less solvent wastes & more sol/sl.

Originally occupied small processing area 12000 ft² (lab/bathroom/office) & small tank farm.

Lab & offices currently used by up-port manufacturer New-way distributors was in 33,600 ft² (hardware) area but NEC now leases this area.

NEC has access to boiler room

Box-it (stores corrugated box) in rest of facility
Small building (pump room) by RR also in lease
Largest area of buildings (1920s) remainder built in 1950s)

Original owner: Dow Beckman → H... (14-6 yrs) → American (in til 1981 → Landlord (Brandon Partners) → Subleases

Sublessors. Box-it 1984-85 & moves in

New-way 1981 moves in

Refiner's 6 10,000 gal UST (removed)
Westling-mat refurbisher (util. build)

FBI was in Plant maintenance area

Body shop was in the "changing room" (moving out this month)

NEC has option to purchase 1991 - 2001

Northeast Chem

(2)

7/19/90

PROCESSES / CURRENT OPERATIONS

NEC handles solvents but also receives sol/pl materials that other recyclers can't handle.

"Re-liquifies" (emulsifies) sol/pl. so they can be burned as fuel at cement kilns

1/51: Receive sample → lab tests → evacuate drums of sol/pl → "re-liquify" → store in tank as waste fuel → fuel tank → load & ship to cement kiln in tanker truck.

4. uids. 2 distillation units: (1) 1750 gal internal steam coil tank and (2) 750 gal external steam coils). Closed loop water system (water in tank)

terials. 99% from paint/adhesive/glue/resins
All waste returns to generator. (solvents)
A → A. After solvents distillation, still bottoms go to sol/pl. recycling

uel. Need high BTU, low CP, low metals, low ash, low sulfur. (strict cement kiln standards)

ecting. Manual tracking system will convert to recycling system soon. "Circle to grave"

(3)

7/19/90

liquids → F001 - F003 generally (lacquer thinners) some
D001 but generally solvents

→ Generally paint industry residues are
the flammable liquids
Undercoating manufactures (The metal contain
codes on part & are to cover metal in the &
metal bearing codes (aluminum))

turns → Part 1 - not next quantities included their
anticipated growth for several years. So extract.
8500 gal tanks #?

25' x 25' was in process area took area decided to
dike in area & risk assessment → did total containment
for process area (diked) 11,000 ft²

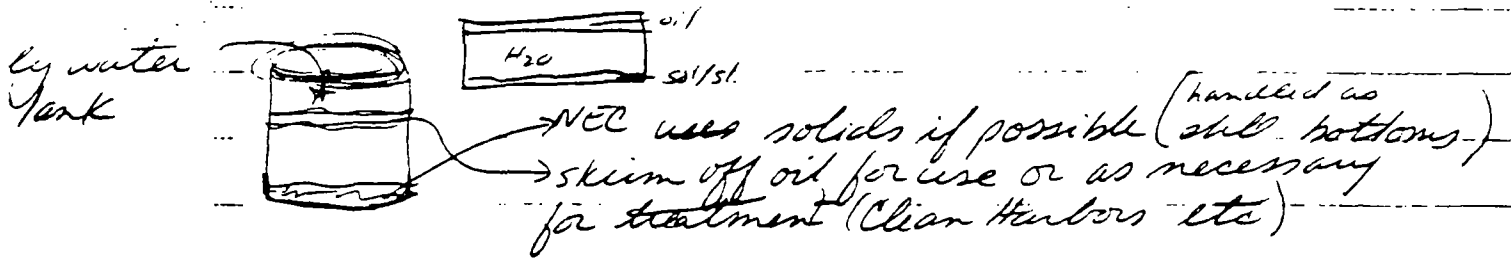
Based on a.u. everything eventually moved inside

waste water oily pumped out & taken away for
processing (went on for a year). Max 100 drums
(1 tanker load) of material. 1 tank shipped off every
60-90 days. Later put in a tank for the oily
water now listed by NEC as hazardous research oil or
Clean Harbor Tissue Clean still take this away.

More & more water traps (2-3 weeks: 1 tanker).
dike water goes in their too.
goes out on h.w. manifest now. & has tank water.

034 gal
is required
2000 tank

(4)



Doing more w/ research ^{oil} (for handling) as they accept oily water

① Plan: drum from tank conveyor to sampling conveyor to processing in larger (left) area by new (planned) lab

King → small dike → proven area '84 and '85 →

floor area same as '83 but more drums now going through (≤ 700 drums in storage area). Process ≈ 200 drums per day. Have running tab of # of drums/tanks on floor.

1951 Last figure in series. Dow/Beckman had out door drum storage. Block walls still standing (furtherst) other cleared used for trailers. Didn't use tanks used area adjacent for non haz. oily waste if all 100 drums leaked would get $1\frac{1}{2}$ " to space at low end (the office area).

Northwest Chemical

(5)

7/19/90

flow diagram

R1, R2 process reactors

T1 (T2): storage of overflow + bottoms used for fuel program ~ every quarter the bottoms go to the fuel program (They drum the bottoms of each tank + track as if they were incoming from another facility).

1900 gal storage tank - decommissioned too small

T4 T5 750 gal each (carbon so can bleed if wrong materials put in)

Oct 1987 deactivated several tanks according to proposed regul. Scraped feed, rinse, water rinse dried, sealed & moved out to concrete pad. Sat there 6 months. Put dry ice in & used acetylene torch to cut them apart. No closure plan.

Ernie Petri would have handled any correspondence on this. Reapplied for new tanks of bottoms. Cadence Chemical had a contract w/ steel mill at the time to handle bottoms (NEC didn't process still bottoms at the time)

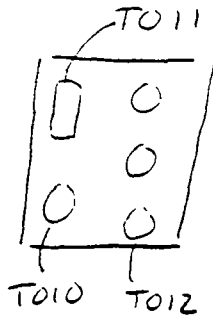
T4, T5, T36 - storage of distilled solvent

T2 now (was T1) a 2600 gal tank.

Air permits have records of exact dates (?)

Northeast Chemical
(6)

7/19/90



TO11 - holds material used for processing the wastes
(T)PO13 oily waste water

TO10 & TO12 - blended fuels ready to go.
(both have agitating system to reduce bottom accumulation)

PO13?

TO13 - oily waste water now handled & treated as hazardous (to be on safe side) as greater awareness than in 1983 of what is haz/non haz. Clean water & diked area collections → same tank (There is a sump in diked area)

Underground tank is used now as an emergency spill tank (the sump?). The tank was never used so someone was hired to pump it dry & cover it w/ \approx 2 ft of gravel (in 1988?). If tank weren't under foundation of building IEC would have removed it. Tank still there but not actually used. Could provide a containment of sorts but not for entire area?

none
commented
this
later
504

7/19/90

Plant operates 24 hrs/day, 5 days/week. Holidays
someone there to do containment / security
checks, spill clean-ups

Sampling: 1st shipment from a generator: 100% of drums
Subsequent shipments: 10% of drums against profile

Sample → approval letter → receive shipment →
process

Analysis: ① solvents by GC

- ② extraction for sol/dudges
- * X-Ray fluor. spec for Cl, scan for metals
- * don't do EP tox as a general rule
(send to local labs EP tox TCLP as appropriate)
- * pH on anything aqueous
- * test distillation for yield & do GC
on distillate for ignitability
- * ignitability, flammability

Lab wastes → fuel program. (Store 8 oz samples
1 profile stored indefinitely, others 6 mths)

Solid wastes: gloves, rags, containers → inciner.

Compactor

Used on solid wastes collected in 55 gal
drums. Hand sort, filter off (pump) liq.
& send to incinerators

NEC has BTU info on these wastes

(8)

7/19/90

Solid wastes: (gloves, rags, glass jars etc) are considered NEC gen. but tracked to original generator for their info as they may request these wastes. Generally generators ship to incinerator)

Fuel program: They (NEC) are charged for sending out fuels (used to earn a nominal fee) also send out oily water & solids

Facility

built on fill (preliminary assessment done)

No detailed characterization

Only a few exploratory samples have been taken. Discovered some materials left in ground from past (precise make-up undetermined)

No monitoring wells on or near site.

* No surface water bodies adjacent to site.

RF tracks

Run off goes to sewers probably

Cuyahoga + Lake are nearest surface water bodies near facilities

NE Chemical

11/10 - USI walkthrough

Lab - original profile samples in

Respectively

11/10 - in Lab 12-13 ppm

Shipments samples - 6 mo.

- Loading dock

concrete flooded.

Picture - opening to storm sewer.

15' from dock ramp.

all drums to spill before into

sewer - NO evidence of

spill.

Picture of loading in to processing

large area. note

ramp-dike.

11/10
7/18/40

NE side of rd. 5' down
most held in center
area before transfer to
storage area.

36 gal mini tank - oily/water
from street washer - has
Pb - picture
w/ 8" blocks

HNO₃ 2 ppm - 10 ppm - sandy bog

cleanup of labeling system.

drum area concrete floored.
Some remnant of large tank
previous problem.

2

same 2 high. condition
variable - still appears
reasonable in frequency

same area. it's for 2' in all.

Dams 12 deep 2 wide 2 high
minim of 2' space between rows

Is contained into lab? - no
real dike - just wall. fibrous
board - but lab in and in
process area.

Rows 23 deep on both side of
drum area
HNO₃ up to 15 ppm at floor

3

Drill 2-10 ppm

area 5

breathable zone

land built water
process

9000 ft

Photo T003, T006 - south side
of area

from distillate tanks

2 pits - water into

fuel process, product

back to operator

Original 25x75 (not square)

area - for process control

man, not clear for

turn-mech.

4

8" block dike

water from container

to all dike / 100

trap out / 100 dike

- 1000 gal by 1, 1000

1000 empty

T003 T006 - surrounded by

8" dike 10x16 area

under 7 10.0 gal

tanks

product bags available by process

tanks - using process w/

solids - from "sh-hy"

5

Went back of door

5' opening into back

3' diameter

2' lip, both ends facing

fitting. Used door

192 1/2

30,000 - generation 5/12

490 days

filter down. 5/12

down

down

all started 5/12

picked up by generator

Went back

192 1/2

left over

192 1/2

192 1/2

192 1/2

192 1/2

Went back into back of door

Went back into back of door

192 1/2

all started down 490 days

down 5/12 - 5/12

Went back into back of door

Colony shell also...
to change...
must shut down...
always... and...

First filter...
doesn't go into...
and separate...
the pen... is to
work...
must be... rated.

Task working...
- 8-8

Compressor
- 12' high...
into...

to...
...
...
filled...
...

Range... to...

...
...
...

1st batch:

Duck Farm

Materials (other than) concrete

P.O. 3 1/2" x 1/2" pump frame

valves for steam control

pressure pump

2nd container:

concrete block 4' high

polymer concrete in place

flashed

unloading area opened

fill

nearest steam source

loading in the night

generally 80-90 degrees

temperature - 100-120 (daytime)

in 1/2 hr end of time - 100-120

in 1/2 hr P.O. 3

1ST 2 sq. corners removed

back filled - 1/2" of 1/2" of 1/2"

concrete part - block 1/2" x 1/2"

10' x 5' 6"

by hand

pump frame 1/2" x 1/2"

no steam or very small

utility room

2 comp. room

dry storage

break room change area

wash & repair shop

- 120 kg waste

Remoff to make gate

with 2 trucks

gravel area by water tank

into 2 gravel pit

7/1/80

7/20/80

7/21/80

Backlot Division

photos

"1 waste LF from sewer, metal

"2 old tank vessels, installed

no veg. impact looking

west from at. boundary of

facility. 1st NE chemical

property is leaving.

photo #3

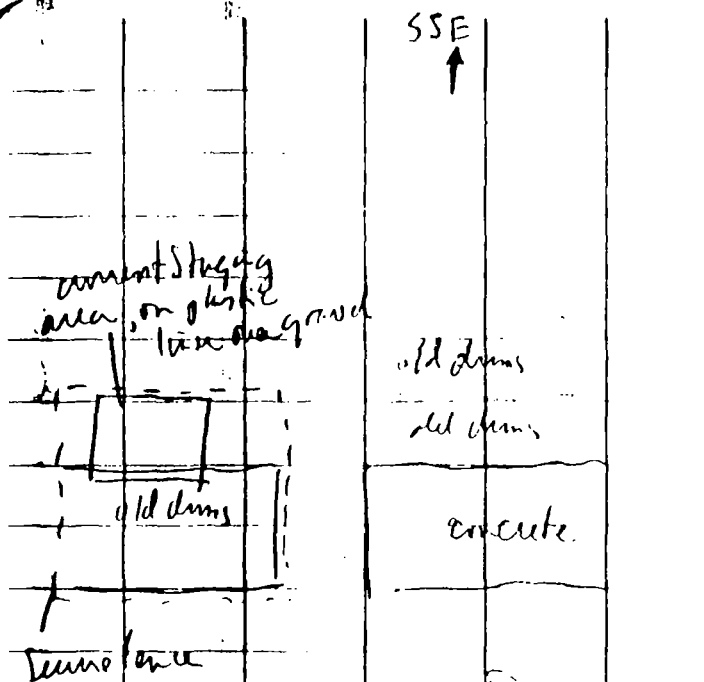
Prunus - in pot/har.

2-3/80 - Alprate chms. piffing.

5/1/81

13 cars parked - none

removed in 30 min

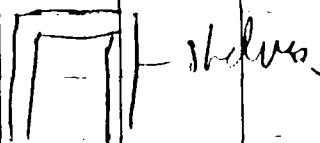


- also were some
leaking drums in old pump house
close to tracks.

Memo #4 - Storage of sample
material from profile study.

held all for 6 months. Then
got rid of any drums left
this time. Return
sample profile taken
in dependency.

602. poster on shelves -
~ 10' x 15' x 1' high.



15-20 drums moved into pump
house. For poster ~ 1920-30
by owner by Bobcat. Looking
of 11-20 gallons. Mark
substance, so read out on
concrete 1. 11 / 10 P. 4/1

Panel back (11)

powdering into (11) down
paint on floor. Will
try to mix with iron. Will
not to put into (11).

DOOR, DOOR (11) ? are 11-gal
- not tested by 11 for metals.

SW -

1:30 - site walk through

Nitro tanks in concrete footers
over gravel.

HCI product in plastic drums

Shower-philets over standing
water.

- Room of oxidized (nitro) product
in water.

Photo 11

11 (11) (11)

Nitro in (11)

11 (11) (11)

11 (11) (11) (11) (11)

11 (11) (11) (11) (11)

11 (11) (11)

11 (11) (11)

11 (11) (11) (11)

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11 (11) (11) (11)

11 (11) (11) (11)

11 (11) (11) (11)

11 (11) (11) (11)

11 (11) (11) (11)

Photo #8

facing South Wall on left

framed solids on right.

Cap bulk - no secondary containment

(west)

#9 - to right of 8 - left to right
liquid drums, all open
across the road

#10 - to west again. Cylindrical solids
waste oil drum open lid.

Slight stream in standing water.

#11 - old (per 30) cabinets for
waste acid from storage empty.
not in use. Fiberglass

~ 6" further like to or
west behind of area
inside fence.

#12 - facing NW - old drums. 1
spiral pile of liquid tanks on
right. on concrete footings
no 2nd containment. "long"
Material from good cabinets
in to hatch on top of tank
vegetation growing per tank.

black drums 5 cup 102-
right

#13 - empty drums on NE side of
storage area also cabinets that
were used to transfer to tank
note no 2nd containment to unit.

Monrovia. West-1.22.19

Roll #2: picture #4 Through

Area (1) Laboratory

Wastes accumulated in cardboard
box & then to trash compactor
(retention impoundment) samples

retained 6 months then bottles
sampled. Tergent profiles.

Samples kept indefinitely ^{but to} ~~regards~~
where are they stored? -

Photo (#4) cardboard box (wastes)

+ laboratory for sample analysis

box on counter is waste container

(2) Sewer entrances closed. There is

a storm drain. Loading dock

area. Any place where there is

a potential spill have alerted.

Try not to store anything in

loading area. (open) seal

(115) storm drain (loading dock)

lighting per 551111 class II div-2
other areas non-hazardous div-1

Leading dock cont. NEC 7/19/90 ②

①⑥) Leading dock towards

Container storage area

Ramp (4" ? deck) to storage

area. Class II div II lights

Room has carbon emergency

system for. Waste manifest

Test area:

4 go to laboratory

BCD so have 8 drums

of 1 pint, 80 lbs

of 1.5 pints drums.

Room container area. -

NEC #, other #, date received

also have standard labels

(in some drums)

(Main tank - wastewater

liquid don't do

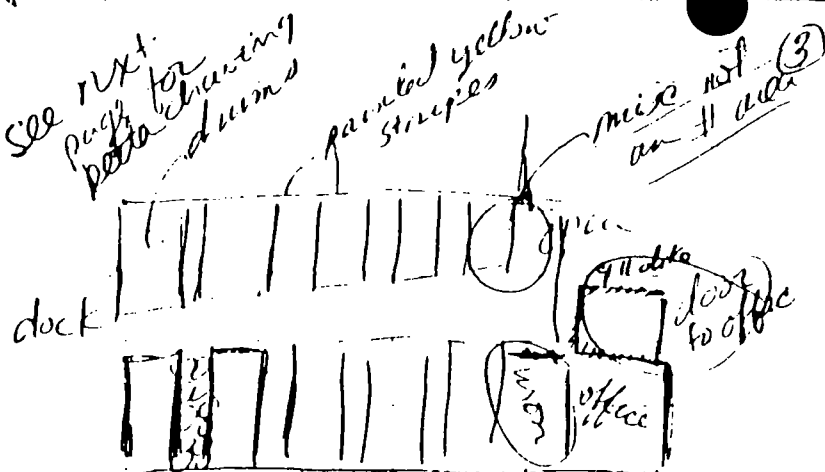
TEGP just assume the best.

①⑦) 36.5 gall. new liquid

concrete slab to 8 inches in

front.

see next page for
photo drawing
drawings

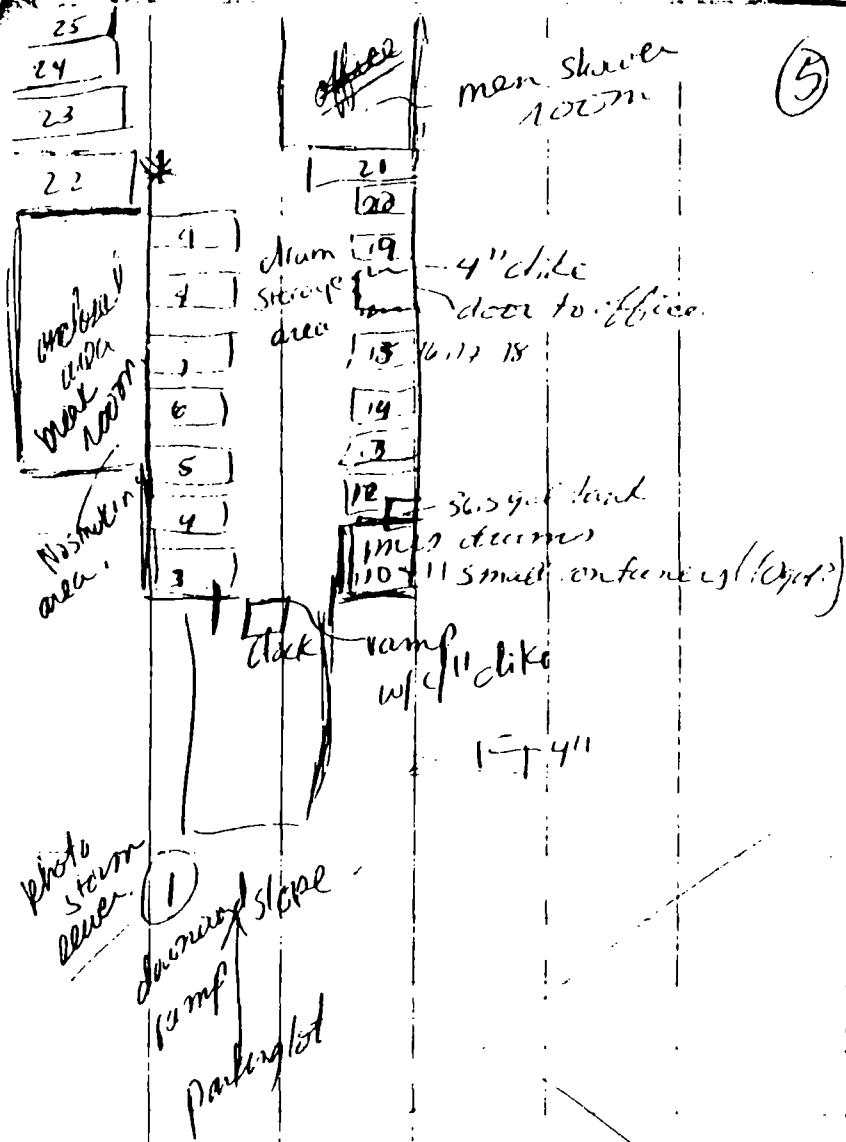


2 wide
2 high } NEC says they
12 long } never go over
2 high

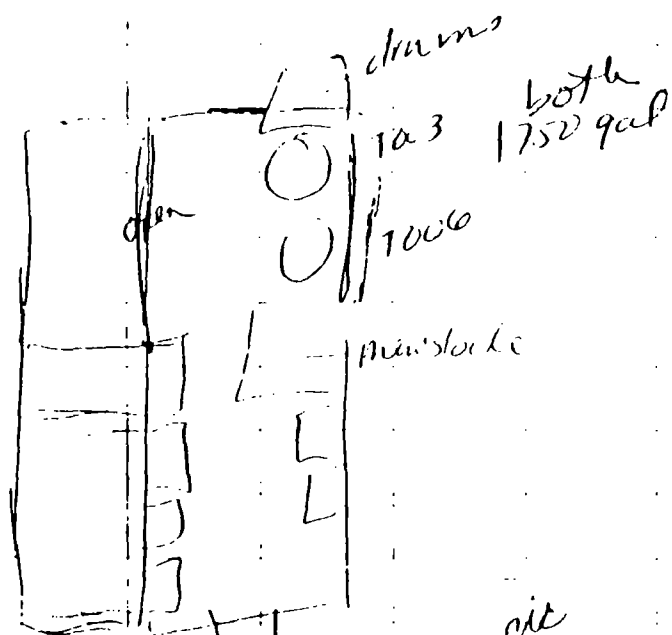
7/19/90 (4)
▶ Drum contains 2 trays area.
(#8) Labeling system NEC label
and flameless standard
label. From area #8
in drum contains storage area
directly left of only water
(possible leak) container (365 gal)

#9 drum section 5 (painted stripes
area w/ 2x12x2 drums (# of drums)
trucks will north.

#10 drum area door to office
left of picture shows
painted drum area #19.



(5) NEL. and through cond. 7/19/40 (6)
 * 22 drums long by 2 wide by 2 high.
 areas labeled 22-25
 area 21 8 long 2x2
 area 20 5 or so long 2x2
 14 4 long 2x2
 area 25 stores ceiling
 absorbent in front portion
 brick has drums
 area 3-9 same size
 12-15 somewhat shorter
 in clean capacity (lengthwise)
 drum area #24-
 Non-regulated water
 label will be blank to
 process tank blank in as
 alcohol in sect. due to water
 must emulsify in process
 can't have free water
 in tank.
 Paint Bath water

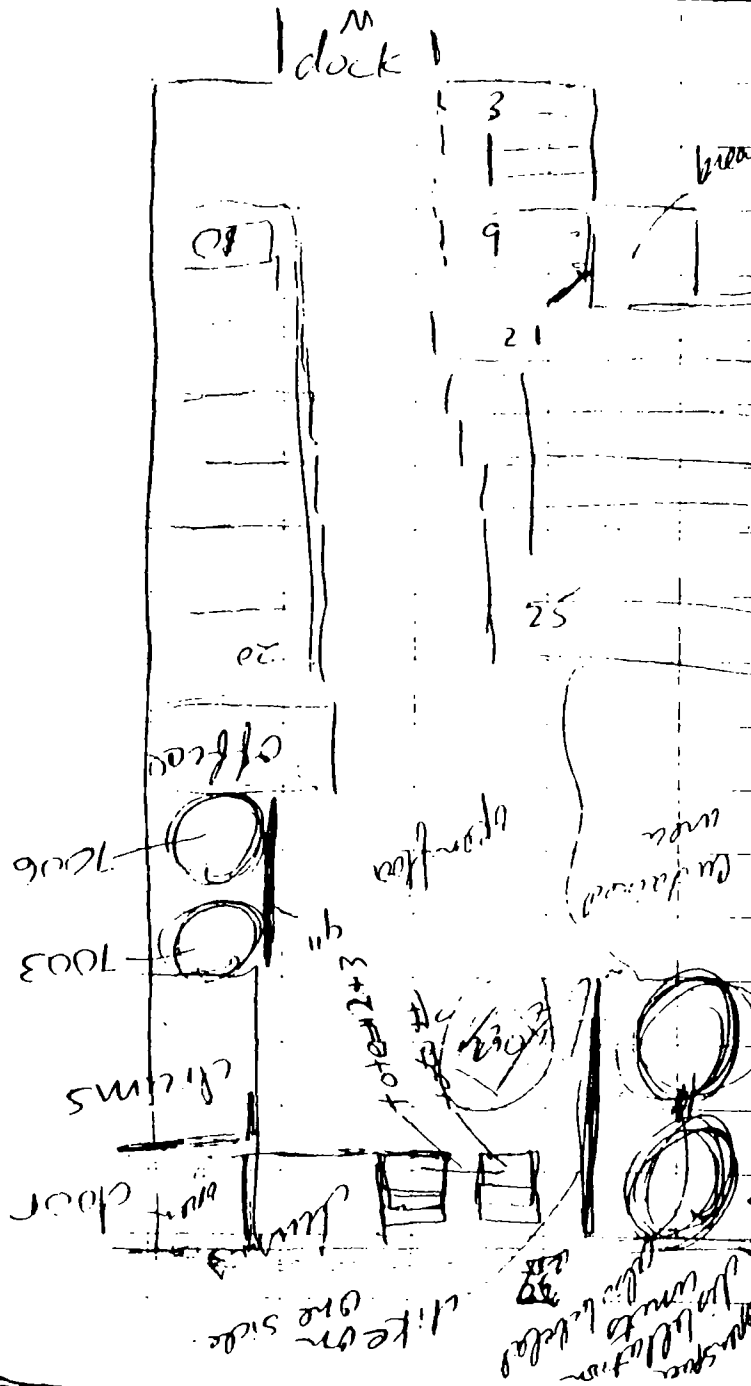


stock
see next page better pic

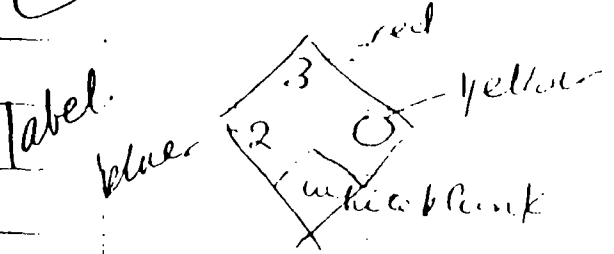
(7)

(#10) 7003 & 7006 facing
north in process room

7/19/90 (8)



9-NEC
#13
#12
dike 8" around
Tanks: T003 T006



Tote # 1, 2, 3, 4
2 sets of 2 tanks
3 RW waste tetra
chloroethylene
2 PERC
1 1,1

#13
photo
was correct
no (3)

(14) still 1750 gal per
old dike tote #1
facing east?

WEL

7/19/90

Totes used for small quantity contamination prior to distillation (11)

(distill) close up tote, dist.
units 2 notated?

4	2
1	3

photo 13

Trash compactor in other part of building

behind water curtain
tanks cleaning waste to fuel
stainless steel tanks
batch water

750 gal. H₂O
 tank. for cooling
 records in closed
 superheated stills
 empty
 drums
 scraped
 & shipped

still
 notes
 curtain

stairs
 11111

4" like

(1003)

(1000)

mm's

(12)
 RCHA
 empty

NE Chem unit through 7/19/90 (13)

behind curtain area
 2 tanks.

(#14) toward curtain
 area (still on right)
 2 units (1100 gal tanks)
 & sequence of equip
 necessary.

(#15) RCHA empty drums.

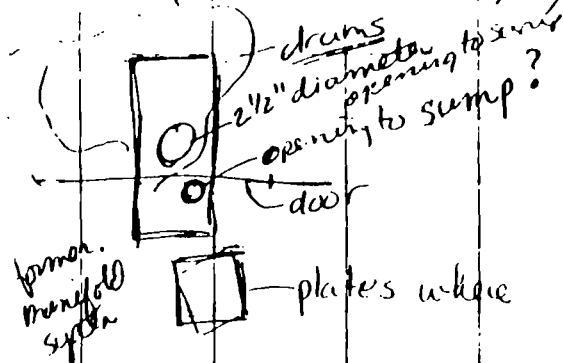
Once material non. drums
 scraped +

Taken facing East to left
 of door on S side of
 building

door.
 S
 down
 En f stairs

(14)

sump was on far north wall
near SE corner. Now under
drums. (the RCR empty ones)



NEC walk through (cont) 7/19/90 (15)

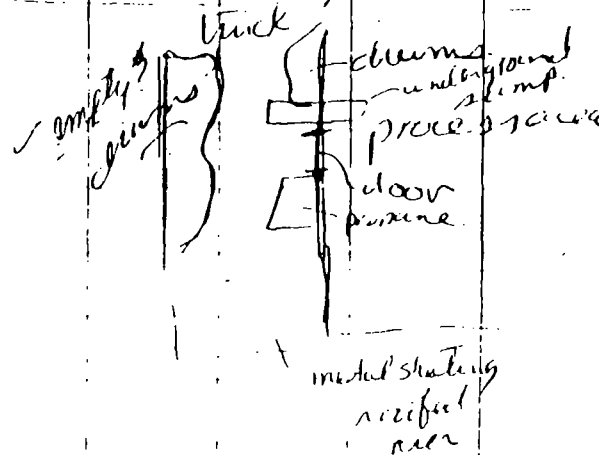
#16 opening to underground
sump empty & unusual
now (not concrete filled though)
2 1/2" diameter hole about
2" high like more like.
2" to 3 feet

picture
facing S.W.



#17

Container area. Outside
process building



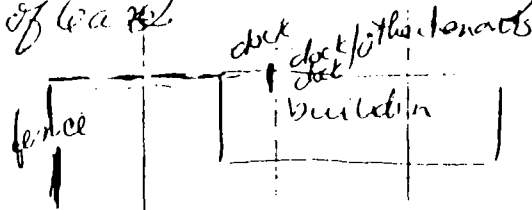
(16) NEC wait through

7/19/90 (17)

all drains are plugged
to prevent possible leaks
treatment about 10 ft
plugged drain T003 T006
in front of.

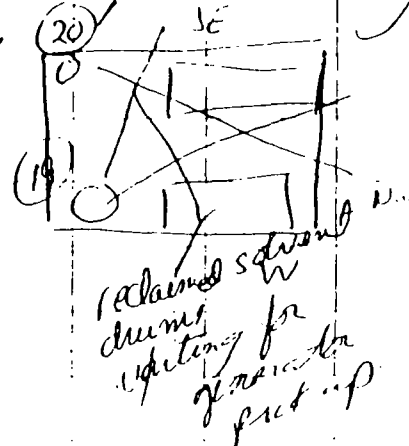
(#18) Drain → looking toward
T003 & T006

Property line - Facing north
of wa. R.



(#19) waste / scrap containing
drums (20)

(#20) solvent drums
stacked for pickup
facing W



(18)

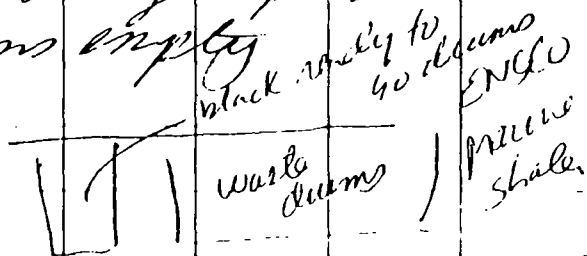
NEC

7/19/90

(19)

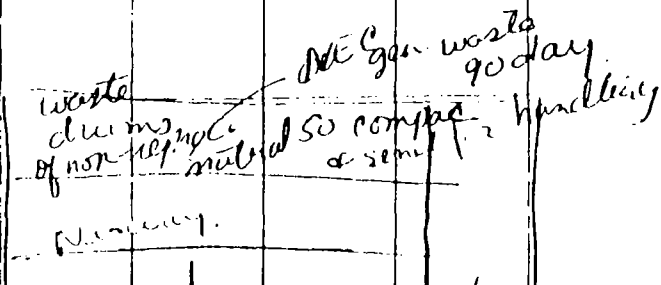
Even though they keep track
of what each drum
contains (which generate)
at this point standards for
90 day gen. are followed
NEC as generator.

Fiber, salvage & plastic
drums empty



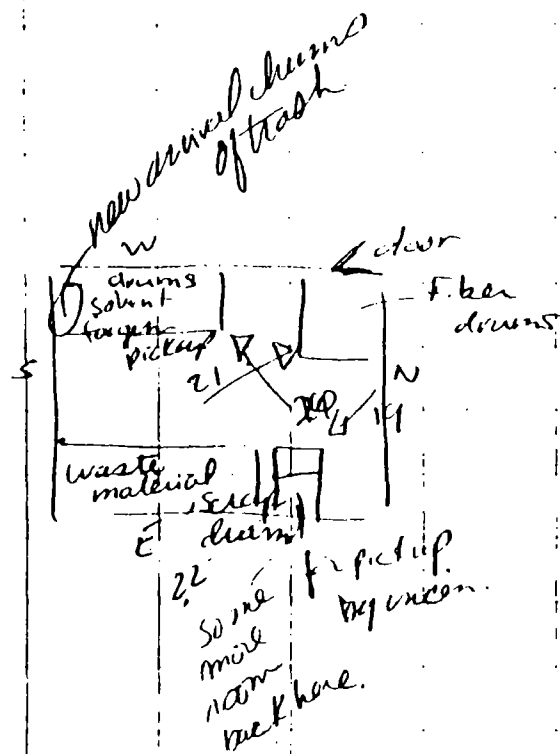
Property moved into 3/90
unit for storage

referred to as Nuc-way
(harder) distributor



reclaimed solvent/fuel (handling dock)

Can always do one or two
a time at the end of each
shift all non-processable
material for later handling
(Most drums in new space
are therefore mostly empty)
Also are nearly material
for generator pick-up.



"everything Recycled"
 floor in storage
 building is wood blocks

(20)

7/19/90 (20)

The drums in large storage
 area along w wall are
 all solvents reclaimed not
 waste fuel for burning.

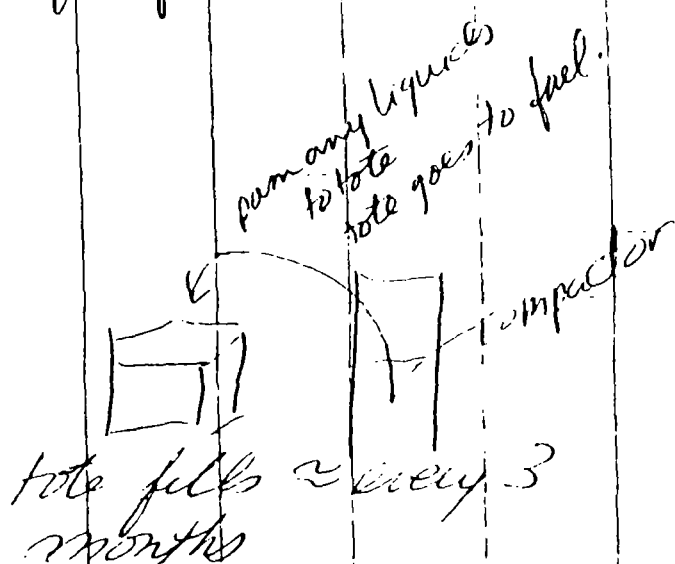
(#21) Fiber drums facing Northw.
 in new storage area

(#22) Compacted waste for
 pickup 2 rows of
 2w by 2 high by 10 long
 facing NW.

Plastics all empty.

One was stuck & got water off it
 sent someone to clear to water
 w/ hot day.

Experimental tank working
to emulsify paper wastes
for fuel use.



(2)

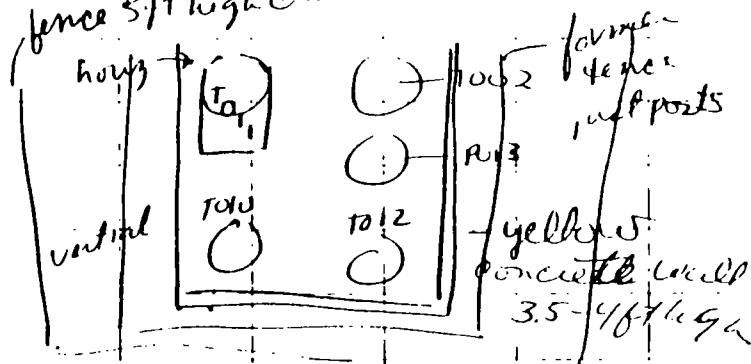
7/19/90 (23)

Drums the 55 gal. are emptied
of materials. Then the trash
is compacted & drums sent
to drum decontamination
Bakerdon Portland Mont.
They leave empty trailers
& pick up when full of
empty drums. Everything
stays on trailer till it
is reconditioned.

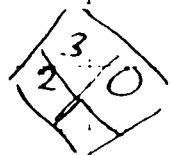
Scale used to make sure
compact waste in drum
is under the allowable limit

#23 drum compactor
for ing 5. & pump &
tote for liquors
at a time. They also
manually 2 drums

Tank Farm
fence 5 ft high chain link



all vertical except T011 open
all labeled



for
trucks

(24) - NEC wall through 7/19/90 (25)

#25 - blue here on experimental

process tank facing
SE - large storage
NE 711.

lunch 1-2 pm

Tank Farm

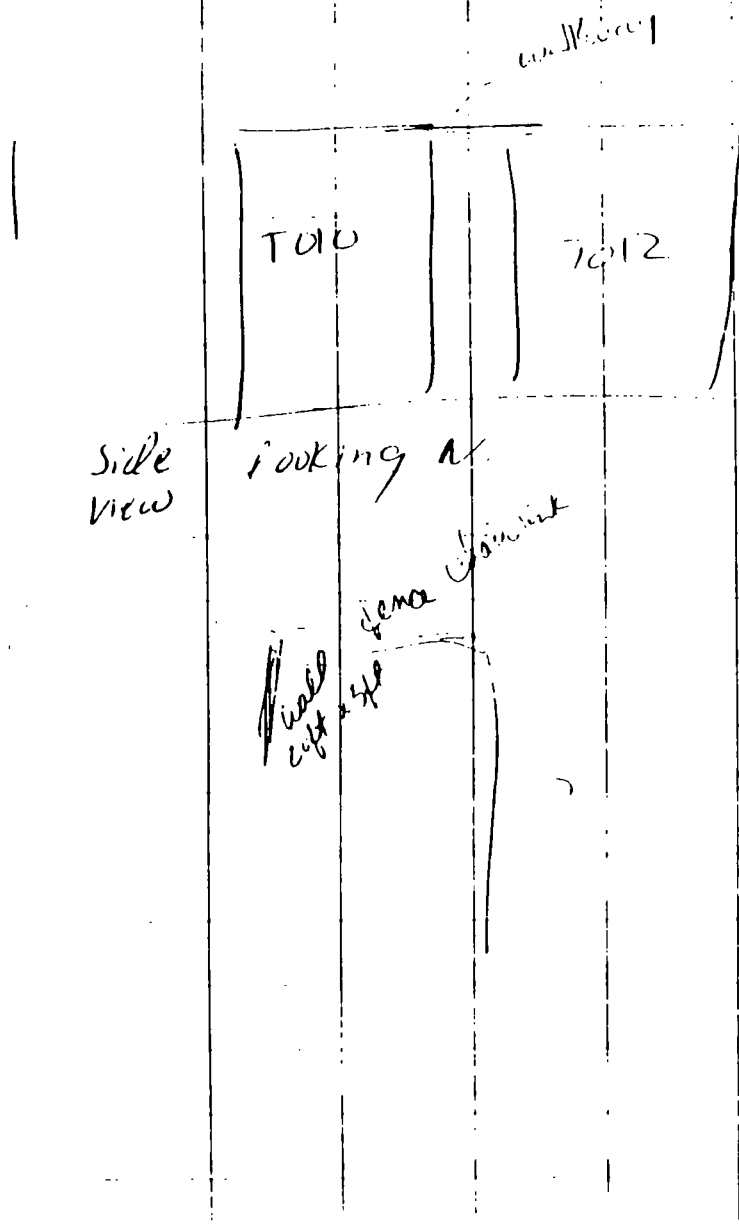
#26 T012 T013 T002 looking W

#27 T012 T010 T011 looking E

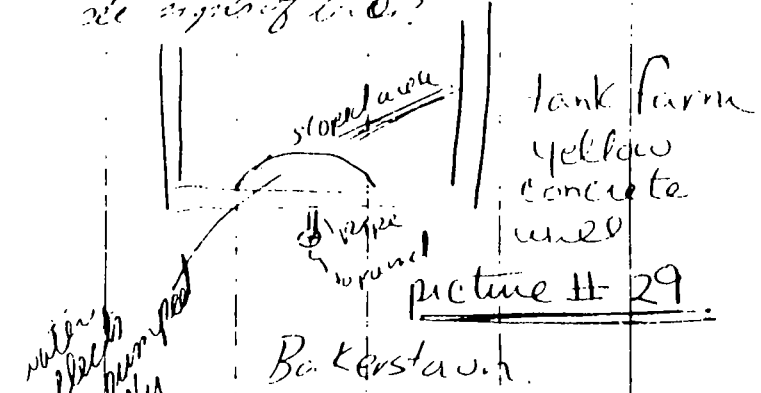
Tank containment wall is
about 4 ft high bright yellow
concrete. Outside T012

looks like outside of wall
has something spilled on
it by optical sensor 2.

#28 T002 & T013 looking 1/2 RR
from building SE?



(26) went through NEC 7/19/90 (27)
 workers painting tank farm so could
 see signs of leaks?



(#30) Area were underground tanks
 for gasoline were in corner
 of property
 20 ft long x 5 ft high for 10

(#31) Where black wall was,
 facing several buildings &
 tank farm tank T012
 in picture

fencing

wall
(landlord's
property
drums)

Aluminum paste
NEC overpacked
some

One al. paste has
reacted w/ air was
still smoking

since
1984 stored outside
at dirty spring
not well
~ 30 drums
they're full.
label by
landlord

(28)

NEC walk through

7/19/98 (29)

Parking lot is full overlain
with gravel

Other side of fence between
RR & property Old empty
building picture # (32)
Old pump house.

Right next to (N) of old
abandoned underground tank
area is a fenced area w/
hulked wire. About 30x40
feet

Welder shelves on 1 profane
samples. Steel shelves are
@ mth. Shipment
wood by NEC approval

16x8? metal

metal by work order #
shipment samples 4x8x26 units

7/19/90 (30)

will start across down
to concrete per LHA's
recommendations

Permit #S NEA permit #

70-11

70-10

70-11

70-11

70-13

70-12

7003

7003

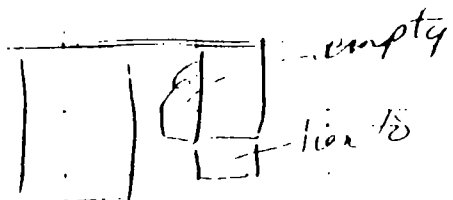
7006

7006

7009

7009

empty
drums outside storage area
between process building
& O&M 9 also behind O&M
on fenced lawn



Pump house

15-20 poor condition
drums & there are signs
of spillage there.
Total release 10-20 Gall
sludge & that's on floor.

(3) NEC walk through 7/20/90 (1)

a few more pictures:

(#1) looking ^W waste pile

(#2) areas near gate along road

(#3) & (#4) drums facing SOUTH

only Clean Harbors & O&M have
keys.

The drums are behind a concrete
pad on plastic liner over gravel

Some drums have been inspected
by Clean Harbors.

A reaction occurred w/ the
aluminum paste drums

Owner & Phil talked Monday 7/15

Clean Harbors has taken samples

recently

Since 1984 drums have been here

(#5) lab sample storage.

inlet
storage.

7 month storage
of samples
the lab. building

ATTACHMENT D
LABORATORY ANALYSIS OF PAINT BOOTH FILTER SOLIDS



NORTH EAST CHEMICAL CORPORATION

CLASSIFICATION

DATE			SHIFT				
TANK	LINE #	NEC #	DRUMS	PUMPABLE	MIXABLE	PROCESS- ABLE	OPEN TRASH

DATE			SHIFT				
TANK	LINE #	NEC #	DRUMS	PUMPABLE	MIXABLE	PROCESS- ABLE	OPEN TRASH

DATE			SHIFT				
TANK	LINE #	NEC #	DRUMS	PUMPABLE	MIXABLE	PROCESS- ABLE	OPEN TRASH

DATE			SHIFT				
TANK	LINE #	NEC #	DRUMS	PUMPABLE	MIXABLE	PROCESS- ABLE	OPEN TRASH
TOTALS							

GENERATOR Stahl Metal & ProductsW.O. # 15691 CUSTNO. stahlmMANIFEST # ~~9000~~ 90003P.O. #/BROKER DWM PO# CT 2678

PURCHASES _____

TOTAL # OF DRUMS 22 drumsDATE IN July 3, 1990

DRUMS

17H DRUMS 21

TIGHT HEADS _____

OPEN TOPS 1

FIBER _____

PLASTIC _____

AGITATORS _____

SALVAGE _____

OTHER _____ NEC # _____

TOTAL _____

DATE

INITIALS

DEHEADS

ACCUMULATED TRASH

TOTALS

LAB DESCRIPTION OF SAMPLE BY LINE ITEM

a. OPAQ GRANULAR SOLID: No Solv

b. _____

c. _____

d. _____

x. _____

z. _____

LINE	MANIFESTED	ACTUAL	DATE	APPROVED BY	DESTINATION
A. NEC 8268 paint sludge/filters 22 DRS.	22 DRS.	22 DRS.	7-5-90	<i>[Signature]</i>	COMPACT
B. NEC	DRS.	DRS.			
C. NEC	DRS.	DRS.			
D. NEC	DRS.	DRS.			
X.		DRS.			
Z.		DRS.			

NORTH EAST CHEMICAL CORPORATION
PRELIMINARY MANIFEST LAB SAMPLE
(INBOUND)
07/05/90

GENERATOR: [stahlm] Stahl Metal Products
NEC LAB #: 8268 DATE RECEIVED: 09/08/89 DATE REPORTED: 09/12/89
BROKER: [DWM] Doug Morgan
COMMON NAME: paint sludge/filters
WORK #: 15691 LINE #: a

**** LAB ****

APPROVED: [y] MSDS RECEIVED: [n]

WASTE NUMBER:

FO03, FO05, DO07, DO09,

CL: N.D.

VISUAL APPEARANCE:

Opaque granular solid

ODOR:

mild

VISCOSITY: n/a

COLOR: grey

COMPOSITION:

Xyl, tol, mibk, ipa

TREATMENT CODE:

conver CONVERTIBLE TRASH

COMMENTS:

No filters in profile sample--shipment
may contain some trash.

**** DOT ****

TWO MAIN CONSTITUENTS:

Xylene , Toluene

SHIPPING CODE:

hws0 Hazardous Waste Solid, N.O.S.
ORM-E

UN/NA NUMBER:

NA9189

EMERGENCY GUIDE #: 31

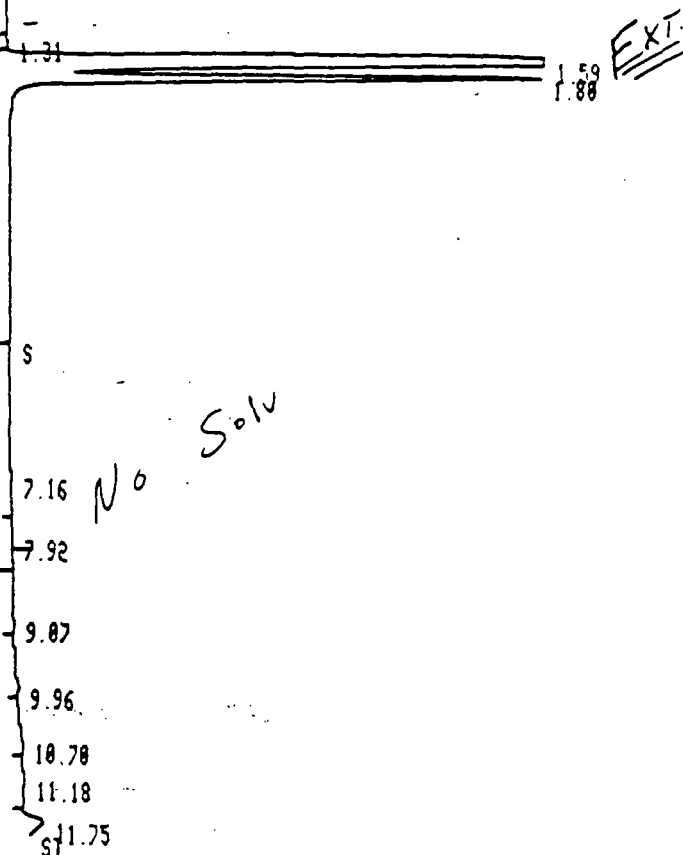
No Solv

No Solv

OK LAB

ID 15691e

START



RUN # 482
ID 15691

JUL/05/90 07:59:05

AREA%

RT	AREA	TYPE	AR/HT	AREA%
1.31	7771	PH	0.119	0.013
1.59	4.2389E+07	SHH	0.092	71.008
1.80	1.1339E+07	DSHB	0.092	18.994
7.16	0	BP	0.000	0.000
7.92	397	PB	0.009	6.6584E-04
9.07	208270	BY	0.492	0.349
9.96	777170	VV	0.535	1.302
10.78	1402400	VV	0.615	2.349
11.18	1664000	VV	0.647	2.787
11.75	1908500	I VH	0.278	3.197

TOTAL AREA= 5.9696E+07
MUL FACTOR= 1.0000E+00

NORTH EAST CHEMICAL CORPORATION
PRELIMINARY LAB SAMPLE
FACT SHEET
09/12/89

GENERATOR: [stahl] Stahl-Arbortech (A Scott Fetzer Co.)
NEC LAB #: 8268 DATE RECEIVED: 09/08/89 DATE REPORTED: 09/12/89
BROKER: [DWM] Doug Morgan
COMMON NAME: paint sludge/filters

 ** LAB **

(Circle one) APPROVED: [y]

MSDS RECEIVED: [n]

WASTE NUMBERS: F003, F005, D007, D009,

% CL: N.D.

VISUAL APPEARANCE: Opaque granular solid

ODOR: mild

VISCOSITY: n/a

COLOR: grey

COMPOSITION: xyl, tol, mibk, ipa

TREATMENT CODE: proces PROCESSABLE MATERIAL

COMMENTS: No filters in profile sample--shipment may contain some trash.

** DOT **

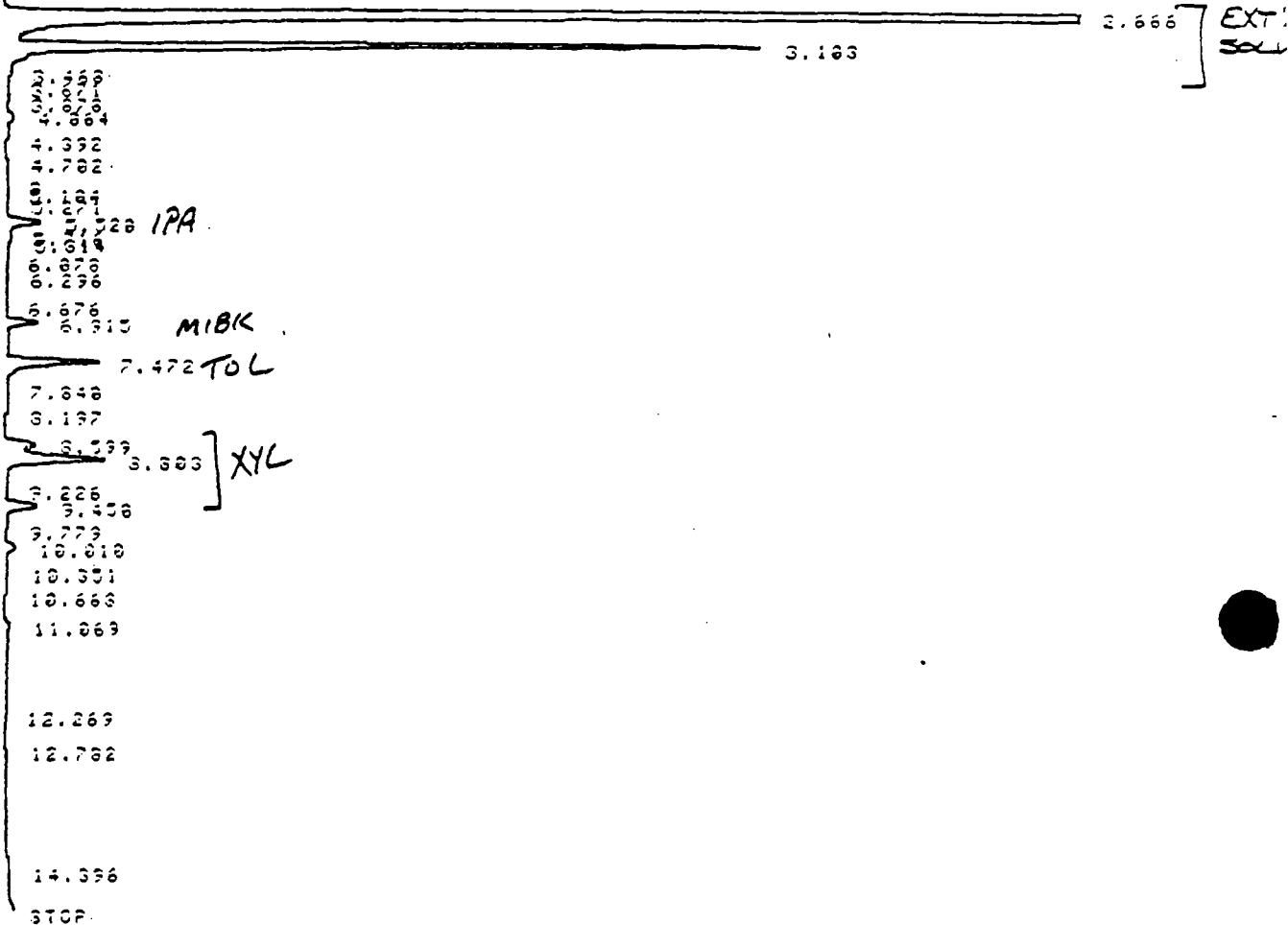
TWO MAIN CONSTITUENTS: Xylene , Toluene

SHIPPING CODE: hws0 Hazardous Waste Solid, N.O.S.

UN/NA NUMBER: UN9189

EMERGENCY GUIDE #: 31

RUN# 24 SEP 11, 1989 13:09:30
 START



RUN# 24 SEP 11, 1989 13:09:30

SAMPLE NAME: 0268 SAMPLE# 5
 HEX. EXTIN.

RT	AREA	TYPE	WIDTH	AREA%
2.666	3.003E+09	SHX	.069	79.31261
3.103	400484600	SHB	.082	11.63214
3.376	2206661	TPV	.101	.05363
4.064	5849626	TPV	.139	.25531
4.702	3524114	TVB	.147	.08637
5.271	2985470	VV	.127	.07549
5.320	26309840	VV	.107	.73553
5.716	5052260	VV	.090	.07930
5.914	5063450	VV	.107	.13156
6.296	3114501	VV	.152	.08092
6.915	21721600	VV	.066	.56436

6.599	22680112	FV	.099	1.81894
6.683	66175744	V6	.036	.56926
9.458	27612912	V6	.116	2.29895
10.618	16383896	VV	.116	.71743
10.551	2843553	VV	.119	.26769
11.869	6751968	VF	.123	.07389
12.782	5439786	FV	.142	.17543
14.396	27396256	FV	.177	.14185
		BV	.571	.71165

TOTAL AREA=3.8483E+09
 MUL FACTOR=1.8886E+80